| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/Component.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt//class-useComponent.html)    [**NO FRAMES**](http://docs.google.com/Component.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.Component**

| Packages that use [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| [**java.applet**](#3znysh7) | Provides the classes necessary to create an applet and the classes an applet uses to communicate with its applet context. |
| [**java.awt**](#2et92p0) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.dnd**](#tyjcwt) | Drag and Drop is a direct manipulation gesture found in many Graphical User Interface systems that provides a mechanism to transfer information between two entities logically associated with presentation elements in the GUI. |
| [**java.awt.event**](#3dy6vkm) | Provides interfaces and classes for dealing with different types of events fired by AWT components. |
| [**java.awt.im**](#1t3h5sf) | Provides classes and interfaces for the input method framework. |
| [**java.beans**](#4d34og8) | Contains classes related to developing *beans* -- components based on the JavaBeansTM architecture. |
| [**java.beans.beancontext**](#2s8eyo1) | Provides classes and interfaces relating to bean context. |
| [**javax.swing**](#17dp8vu) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.border**](#26in1rg) | Provides classes and interface for drawing specialized borders around a Swing component. |
| [**javax.swing.colorchooser**](#lnxbz9) | Contains classes and interfaces used by the JColorChooser component. |
| [**javax.swing.event**](#35nkun2) | Provides for events fired by Swing components. |
| [**javax.swing.plaf**](#1ksv4uv) | Provides one interface and many abstract classes that Swing uses to provide its pluggable look-and-feel capabilities. |
| [**javax.swing.plaf.basic**](#44sinio) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.metal**](#2jxsxqh) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |
| [**javax.swing.plaf.synth**](#z337ya) | Synth is a skinnable look and feel in which all painting is delegated. |
| [**javax.swing.table**](#3j2qqm3) | Provides classes and interfaces for dealing with javax.swing.JTable. |
| [**javax.swing.text**](#1y810tw) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#4i7ojhp) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**javax.swing.tree**](#2xcytpi) | Provides classes and interfaces for dealing with javax.swing.JTree. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [java.applet](http://docs.google.com/java/applet/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [java.applet](http://docs.google.com/java/applet/package-summary.html) | |
| --- | --- |
| class | [**Applet**](http://docs.google.com/java/applet/Applet.html)            An applet is a small program that is intended not to be run on its own, but rather to be embedded inside another application. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |
| class | [**Button**](http://docs.google.com/java/awt/Button.html)            This class creates a labeled button. |
| class | [**Canvas**](http://docs.google.com/java/awt/Canvas.html)            A Canvas component represents a blank rectangular area of the screen onto which the application can draw or from which the application can trap input events from the user. |
| class | [**Checkbox**](http://docs.google.com/java/awt/Checkbox.html)            A check box is a graphical component that can be in either an "on" (true) or "off" (false) state. |
| class | [**Choice**](http://docs.google.com/java/awt/Choice.html)            The Choice class presents a pop-up menu of choices. |
| class | [**Container**](http://docs.google.com/java/awt/Container.html)            A generic Abstract Window Toolkit(AWT) container object is a component that can contain other AWT components. |
| class | [**Dialog**](http://docs.google.com/java/awt/Dialog.html)            A Dialog is a top-level window with a title and a border that is typically used to take some form of input from the user. |
| class | [**FileDialog**](http://docs.google.com/java/awt/FileDialog.html)            The FileDialog class displays a dialog window from which the user can select a file. |
| class | [**Frame**](http://docs.google.com/java/awt/Frame.html)            A Frame is a top-level window with a title and a border. |
| class | [**Label**](http://docs.google.com/java/awt/Label.html)            A Label object is a component for placing text in a container. |
| class | [**List**](http://docs.google.com/java/awt/List.html)            The List component presents the user with a scrolling list of text items. |
| class | [**Panel**](http://docs.google.com/java/awt/Panel.html)            Panel is the simplest container class. |
| class | [**Scrollbar**](http://docs.google.com/java/awt/Scrollbar.html)            The Scrollbar class embodies a scroll bar, a familiar user-interface object. |
| class | [**ScrollPane**](http://docs.google.com/java/awt/ScrollPane.html)            A container class which implements automatic horizontal and/or vertical scrolling for a single child component. |
| class | [**TextArea**](http://docs.google.com/java/awt/TextArea.html)            A TextArea object is a multi-line region that displays text. |
| class | [**TextComponent**](http://docs.google.com/java/awt/TextComponent.html)            The TextComponent class is the superclass of any component that allows the editing of some text. |
| class | [**TextField**](http://docs.google.com/java/awt/TextField.html)            A TextField object is a text component that allows for the editing of a single line of text. |
| class | [**Window**](http://docs.google.com/java/awt/Window.html)            A Window object is a top-level window with no borders and no menubar. |

| Fields in [java.awt](http://docs.google.com/java/awt/package-summary.html) with type parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Component](http://docs.google.com/java/awt/Component.html),[GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html)> | **GridBagLayout.**[**comptable**](http://docs.google.com/java/awt/GridBagLayout.html#comptable)            This hashtable maintains the association between a component and its gridbag constraints. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Appends the specified component to the end of this container. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, int index)            Adds the specified component to this container at the given position. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Adds the specified component to this container. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**findComponentAt**](http://docs.google.com/java/awt/Container.html#findComponentAt(int,%20int))(int x, int y)            Locates the visible child component that contains the specified position. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**findComponentAt**](http://docs.google.com/java/awt/Container.html#findComponentAt(java.awt.Point))([Point](http://docs.google.com/java/awt/Point.html) p)            Locates the visible child component that contains the specified point. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**getComponent**](http://docs.google.com/java/awt/Container.html#getComponent(int))(int n)            Gets the nth component in this container. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerOrderFocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| abstract  [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**getComponentAt**](http://docs.google.com/java/awt/Container.html#getComponentAt(int,%20int))(int x, int y)            Locates the component that contains the x,y position. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Component.**[**getComponentAt**](http://docs.google.com/java/awt/Component.html#getComponentAt(int,%20int))(int x, int y)            Determines if this component or one of its immediate subcomponents contains the (*x*, *y*) location, and if so, returns the containing component. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**getComponentAt**](http://docs.google.com/java/awt/Container.html#getComponentAt(java.awt.Point))([Point](http://docs.google.com/java/awt/Point.html) p)            Gets the component that contains the specified point. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Component.**[**getComponentAt**](http://docs.google.com/java/awt/Component.html#getComponentAt(java.awt.Point))([Point](http://docs.google.com/java/awt/Point.html) p)            Returns the component or subcomponent that contains the specified point. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerOrderFocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| abstract  [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html)[] | **Container.**[**getComponents**](http://docs.google.com/java/awt/Container.html#getComponents())()            Gets all the components in this container. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerOrderFocusTraversalPolicy.**[**getDefaultComponent**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#getDefaultComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the default Component to focus. |
| abstract  [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getDefaultComponent**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getDefaultComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the default Component to focus. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerOrderFocusTraversalPolicy.**[**getFirstComponent**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#getFirstComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the first Component in the traversal cycle. |
| abstract  [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getFirstComponent**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getFirstComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the first Component in the traversal cycle. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Window.**[**getFocusOwner**](http://docs.google.com/java/awt/Window.html#getFocusOwner())()            Returns the child Component of this Window that has focus if this Window is focused; returns null otherwise. |
| [Component](http://docs.google.com/java/awt/Component.html) | **KeyboardFocusManager.**[**getFocusOwner**](http://docs.google.com/java/awt/KeyboardFocusManager.html#getFocusOwner())()            Returns the focus owner, if the focus owner is in the same context as the calling thread. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **KeyboardFocusManager.**[**getGlobalFocusOwner**](http://docs.google.com/java/awt/KeyboardFocusManager.html#getGlobalFocusOwner())()            Returns the focus owner, even if the calling thread is in a different context than the focus owner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **KeyboardFocusManager.**[**getGlobalPermanentFocusOwner**](http://docs.google.com/java/awt/KeyboardFocusManager.html#getGlobalPermanentFocusOwner())()            Returns the permanent focus owner, even if the calling thread is in a different context than the permanent focus owner. |
| [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getInitialComponent**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getInitialComponent(java.awt.Window))([Window](http://docs.google.com/java/awt/Window.html) window)            Returns the Component that should receive the focus when a Window is made visible for the first time. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerOrderFocusTraversalPolicy.**[**getLastComponent**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#getLastComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the last Component in the traversal cycle. |
| abstract  [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getLastComponent**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getLastComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the last Component in the traversal cycle. |
| [Component](http://docs.google.com/java/awt/Component.html) | **BorderLayout.**[**getLayoutComponent**](http://docs.google.com/java/awt/BorderLayout.html#getLayoutComponent(java.awt.Container,%20java.lang.Object))([Container](http://docs.google.com/java/awt/Container.html) target, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Returns the component that corresponds to the given constraint location based on the target Container's component orientation. |
| [Component](http://docs.google.com/java/awt/Component.html) | **BorderLayout.**[**getLayoutComponent**](http://docs.google.com/java/awt/BorderLayout.html#getLayoutComponent(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) constraints)            Gets the component that was added using the given constraint |
| [Component](http://docs.google.com/java/awt/Component.html) | **Window.**[**getMostRecentFocusOwner**](http://docs.google.com/java/awt/Window.html#getMostRecentFocusOwner())()            Returns the child Component of this Window that will receive the focus when this Window is focused. |
| [Component](http://docs.google.com/java/awt/Component.html) | **KeyboardFocusManager.**[**getPermanentFocusOwner**](http://docs.google.com/java/awt/KeyboardFocusManager.html#getPermanentFocusOwner())()            Returns the permanent focus owner, if the permanent focus owner is in the same context as the calling thread. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**locate**](http://docs.google.com/java/awt/Container.html#locate(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by getComponentAt(int, int).* |
| [Component](http://docs.google.com/java/awt/Component.html) | **Component.**[**locate**](http://docs.google.com/java/awt/Component.html#locate(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by getComponentAt(int, int).* |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  boolean | **DefaultFocusTraversalPolicy.**[**accept**](http://docs.google.com/java/awt/DefaultFocusTraversalPolicy.html#accept(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Determines whether a Component is an acceptable choice as the new focus owner. |
| protected  boolean | **ContainerOrderFocusTraversalPolicy.**[**accept**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#accept(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Determines whether a Component is an acceptable choice as the new focus owner. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Appends the specified component to the end of this container. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, int index)            Adds the specified component to this container at the given position. |
| void | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds the specified component to the end of this container. |
| void | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified component to this container with the specified constraints at the specified index. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**add**](http://docs.google.com/java/awt/Container.html#add(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Adds the specified component to this container. |
| protected  void | **Container.**[**addImpl**](http://docs.google.com/java/awt/Container.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified component to this container at the specified index. |
| protected  void | **ScrollPane.**[**addImpl**](http://docs.google.com/java/awt/ScrollPane.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified component to this scroll pane container. |
| void | **GridBagLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/GridBagLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds the specified component to the layout, using the specified constraints object. |
| void | **CardLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/CardLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds the specified component to this card layout's internal table of names. |
| void | **LayoutManager2.**[**addLayoutComponent**](http://docs.google.com/java/awt/LayoutManager2.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds the specified component to the layout, using the specified constraint object. |
| void | **BorderLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/BorderLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds the specified component to the layout, using the specified constraint object. |
| void | **GridLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/GridLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Adds the specified component with the specified name to the layout. |
| void | **GridBagLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/GridBagLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Has no effect, since this layout manager does not use a per-component string. |
| void | **FlowLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/FlowLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Adds the specified component to the layout. |
| void | **CardLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/CardLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)  **Deprecated.** *replaced by addLayoutComponent(Component, Object).* |
| void | **BorderLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/BorderLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)  **Deprecated.** *replaced by addLayoutComponent(Component, Object).* |
| void | **LayoutManager.**[**addLayoutComponent**](http://docs.google.com/java/awt/LayoutManager.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            If the layout manager uses a per-component string, adds the component comp to the layout, associating it with the string specified by name. |
| protected  java.awt.peer.LightweightPeer | **Toolkit.**[**createComponent**](http://docs.google.com/java/awt/Toolkit.html#createComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) target)            Creates a peer for a component or container. |
| | <T extends [DragGestureRecognizer](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html)>  T | | --- | | **Toolkit.**[**createDragGestureRecognizer**](http://docs.google.com/java/awt/Toolkit.html#createDragGestureRecognizer(java.lang.Class,%20java.awt.dnd.DragSource,%20java.awt.Component,%20int,%20java.awt.dnd.DragGestureListener))([Class](http://docs.google.com/java/lang/Class.html)<T> abstractRecognizerClass, [DragSource](http://docs.google.com/java/awt/dnd/DragSource.html) ds, [Component](http://docs.google.com/java/awt/Component.html) c, int srcActions, [DragGestureListener](http://docs.google.com/java/awt/dnd/DragGestureListener.html) dgl)            Creates a concrete, platform dependent, subclass of the abstract DragGestureRecognizer class requested, and associates it with the DragSource, Component and DragGestureListener specified. |
| protected  void | **DefaultKeyboardFocusManager.**[**dequeueKeyEvents**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#dequeueKeyEvents(long,%20java.awt.Component))(long after, [Component](http://docs.google.com/java/awt/Component.html) untilFocused)            Releases for normal dispatching to the current focus owner all KeyEvents which were enqueued because of a call to enqueueKeyEvents with the same timestamp and Component. |
| protected abstract  void | **KeyboardFocusManager.**[**dequeueKeyEvents**](http://docs.google.com/java/awt/KeyboardFocusManager.html#dequeueKeyEvents(long,%20java.awt.Component))(long after, [Component](http://docs.google.com/java/awt/Component.html) untilFocused)            Called by the AWT to notify the KeyboardFocusManager that it should cancel delayed dispatching of KeyEvents. |
| protected  void | **DefaultKeyboardFocusManager.**[**discardKeyEvents**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#discardKeyEvents(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Discards all KeyEvents which were enqueued because of one or more calls to enqueueKeyEvents with the specified Component, or one of its descendants. |
| protected abstract  void | **KeyboardFocusManager.**[**discardKeyEvents**](http://docs.google.com/java/awt/KeyboardFocusManager.html#discardKeyEvents(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Called by the AWT to notify the KeyboardFocusManager that it should cancel delayed dispatching of KeyEvents. |
| protected  void | **DefaultKeyboardFocusManager.**[**enqueueKeyEvents**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#enqueueKeyEvents(long,%20java.awt.Component))(long after, [Component](http://docs.google.com/java/awt/Component.html) untilFocused)            Delays dispatching of KeyEvents until the specified Component becomes the focus owner. |
| protected abstract  void | **KeyboardFocusManager.**[**enqueueKeyEvents**](http://docs.google.com/java/awt/KeyboardFocusManager.html#enqueueKeyEvents(long,%20java.awt.Component))(long after, [Component](http://docs.google.com/java/awt/Component.html) untilFocused)            Called by the AWT to notify the KeyboardFocusManager that it should delay dispatching of KeyEvents until the specified Component becomes the focus owner. |
| void | **DefaultKeyboardFocusManager.**[**focusNextComponent**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#focusNextComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Focuses the Component after aComponent, typically based on a FocusTraversalPolicy. |
| abstract  void | **KeyboardFocusManager.**[**focusNextComponent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#focusNextComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Focuses the Component after aComponent, typically based on a FocusTraversalPolicy. |
| void | **DefaultKeyboardFocusManager.**[**focusPreviousComponent**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#focusPreviousComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Focuses the Component before aComponent, typically based on a FocusTraversalPolicy. |
| abstract  void | **KeyboardFocusManager.**[**focusPreviousComponent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#focusPreviousComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Focuses the Component before aComponent, typically based on a FocusTraversalPolicy. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerOrderFocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| abstract  [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerOrderFocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| abstract  [Component](http://docs.google.com/java/awt/Component.html) | **FocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/java/awt/FocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| int | **Container.**[**getComponentZOrder**](http://docs.google.com/java/awt/Container.html#getComponentZOrder(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Returns the z-order index of the component inside the container. |
| [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | **GridBagLayout.**[**getConstraints**](http://docs.google.com/java/awt/GridBagLayout.html#getConstraints(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Gets the constraints for the specified component. |
| [Object](http://docs.google.com/java/lang/Object.html) | **BorderLayout.**[**getConstraints**](http://docs.google.com/java/awt/BorderLayout.html#getConstraints(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Gets the constraints for the specified component |
| protected static [Container](http://docs.google.com/java/awt/Container.html) | **Toolkit.**[**getNativeContainer**](http://docs.google.com/java/awt/Toolkit.html#getNativeContainer(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Give native peers the ability to query the native container given a native component (eg the direct parent may be lightweight). |
| boolean | **Container.**[**isAncestorOf**](http://docs.google.com/java/awt/Container.html#isAncestorOf(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Checks if the component is contained in the component hierarchy of this container. |
| protected  [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | **GridBagLayout.**[**lookupConstraints**](http://docs.google.com/java/awt/GridBagLayout.html#lookupConstraints(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Retrieves the constraints for the specified component. |
| void | **DefaultKeyboardFocusManager.**[**processKeyEvent**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#processKeyEvent(java.awt.Component,%20java.awt.event.KeyEvent))([Component](http://docs.google.com/java/awt/Component.html) focusedComponent, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method initiates a focus traversal operation if and only if the KeyEvent represents a focus traversal key for the specified focusedComponent. |
| abstract  void | **KeyboardFocusManager.**[**processKeyEvent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#processKeyEvent(java.awt.Component,%20java.awt.event.KeyEvent))([Component](http://docs.google.com/java/awt/Component.html) focusedComponent, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method initiates a focus traversal operation if and only if the KeyEvent represents a focus traversal key for the specified focusedComponent. |
| void | **KeyboardFocusManager.**[**redispatchEvent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#redispatchEvent(java.awt.Component,%20java.awt.AWTEvent))([Component](http://docs.google.com/java/awt/Component.html) target, [AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Redispatches an AWTEvent in such a way that the AWT event dispatcher will not recursively request that the KeyboardFocusManager, or any installed KeyEventDispatchers, dispatch the event again. |
| void | **Container.**[**remove**](http://docs.google.com/java/awt/Container.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from this container. |
| void | **GridLayout.**[**removeLayoutComponent**](http://docs.google.com/java/awt/GridLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the layout. |
| void | **GridBagLayout.**[**removeLayoutComponent**](http://docs.google.com/java/awt/GridBagLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from this layout. |
| void | **FlowLayout.**[**removeLayoutComponent**](http://docs.google.com/java/awt/FlowLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the layout. |
| void | **CardLayout.**[**removeLayoutComponent**](http://docs.google.com/java/awt/CardLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the layout. |
| void | **BorderLayout.**[**removeLayoutComponent**](http://docs.google.com/java/awt/BorderLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from this border layout. |
| void | **LayoutManager.**[**removeLayoutComponent**](http://docs.google.com/java/awt/LayoutManager.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the layout. |
| void | **Container.**[**setComponentZOrder**](http://docs.google.com/java/awt/Container.html#setComponentZOrder(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, int index)            Moves the specified component to the specified z-order index in the container. |
| void | **GridBagLayout.**[**setConstraints**](http://docs.google.com/java/awt/GridBagLayout.html#setConstraints(java.awt.Component,%20java.awt.GridBagConstraints))([Component](http://docs.google.com/java/awt/Component.html) comp, [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) constraints)            Sets the constraints for the specified component in this layout. |
| protected  void | **KeyboardFocusManager.**[**setGlobalFocusOwner**](http://docs.google.com/java/awt/KeyboardFocusManager.html#setGlobalFocusOwner(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) focusOwner)            Sets the focus owner. |
| protected  void | **KeyboardFocusManager.**[**setGlobalPermanentFocusOwner**](http://docs.google.com/java/awt/KeyboardFocusManager.html#setGlobalPermanentFocusOwner(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) permanentFocusOwner)            Sets the permanent focus owner. |
| void | **Window.**[**setLocationRelativeTo**](http://docs.google.com/java/awt/Window.html#setLocationRelativeTo(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Sets the location of the window relative to the specified component. |
| void | **PopupMenu.**[**show**](http://docs.google.com/java/awt/PopupMenu.html#show(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) origin, int x, int y)            Shows the popup menu at the x, y position relative to an origin component. |
| void | **DefaultKeyboardFocusManager.**[**upFocusCycle**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#upFocusCycle(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Moves the focus up one focus traversal cycle. |
| abstract  void | **KeyboardFocusManager.**[**upFocusCycle**](http://docs.google.com/java/awt/KeyboardFocusManager.html#upFocusCycle(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Moves the focus up one focus traversal cycle. |

| Constructors in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [**MediaTracker**](http://docs.google.com/java/awt/MediaTracker.html#MediaTracker(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Creates a media tracker to track images for a given component. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) | |
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| Fields in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) declared as [Component](http://docs.google.com/java/awt/Component.html) | |
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| protected  [Component](http://docs.google.com/java/awt/Component.html) | **DragGestureRecognizer.**[**component**](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html#component)            The Component associated with this DragGestureRecognizer. |

| Methods in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| [Component](http://docs.google.com/java/awt/Component.html) | **DropTargetContext.**[**getComponent**](http://docs.google.com/java/awt/dnd/DropTargetContext.html#getComponent())()            This method returns the Component associated with this DropTargetContext. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DragSourceContext.**[**getComponent**](http://docs.google.com/java/awt/dnd/DragSourceContext.html#getComponent())()            Returns the Component associated with this DragSourceContext. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DropTarget.**[**getComponent**](http://docs.google.com/java/awt/dnd/DropTarget.html#getComponent())()            Gets the Component associated with this DropTarget. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DragGestureRecognizer.**[**getComponent**](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html#getComponent())()            This method returns the Component that is to be "observed" by the DragGestureRecognizer for drag initiating gestures. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DragGestureEvent.**[**getComponent**](http://docs.google.com/java/awt/dnd/DragGestureEvent.html#getComponent())()            Returns the Component associated with this DragGestureEvent. |

| Methods in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| [DragGestureRecognizer](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html) | **DragSource.**[**createDefaultDragGestureRecognizer**](http://docs.google.com/java/awt/dnd/DragSource.html#createDefaultDragGestureRecognizer(java.awt.Component,%20int,%20java.awt.dnd.DragGestureListener))([Component](http://docs.google.com/java/awt/Component.html) c, int actions, [DragGestureListener](http://docs.google.com/java/awt/dnd/DragGestureListener.html) dgl)            Creates a new DragGestureRecognizer that implements the default abstract subclass of DragGestureRecognizer for this DragSource, and sets the specified Component and DragGestureListener on the newly created object. |
| | <T extends [DragGestureRecognizer](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html)>  T | | --- | | **DragSource.**[**createDragGestureRecognizer**](http://docs.google.com/java/awt/dnd/DragSource.html#createDragGestureRecognizer(java.lang.Class,%20java.awt.Component,%20int,%20java.awt.dnd.DragGestureListener))([Class](http://docs.google.com/java/lang/Class.html)<T> recognizerAbstractClass, [Component](http://docs.google.com/java/awt/Component.html) c, int actions, [DragGestureListener](http://docs.google.com/java/awt/dnd/DragGestureListener.html) dgl)            Creates a new DragGestureRecognizer that implements the specified abstract subclass of DragGestureRecognizer, and sets the specified Component and DragGestureListener on the newly created object. |
| protected  [DropTarget.DropTargetAutoScroller](http://docs.google.com/java/awt/dnd/DropTarget.DropTargetAutoScroller.html) | **DropTarget.**[**createDropTargetAutoScroller**](http://docs.google.com/java/awt/dnd/DropTarget.html#createDropTargetAutoScroller(java.awt.Component,%20java.awt.Point))([Component](http://docs.google.com/java/awt/Component.html) c, [Point](http://docs.google.com/java/awt/Point.html) p)            create an embedded autoscroller |
| void | **DropTarget.**[**setComponent**](http://docs.google.com/java/awt/dnd/DropTarget.html#setComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Note: this interface is required to permit the safe association of a DropTarget with a Component in one of two ways, either: component.setDropTarget(droptarget); or droptarget.setComponent(component); |
| void | **DragGestureRecognizer.**[**setComponent**](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html#setComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            set the Component that the DragGestureRecognizer is associated with registerListeners() and unregisterListeners() are called as a side effect as appropriate. |

| Constructors in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [**DragGestureRecognizer**](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html#DragGestureRecognizer(java.awt.dnd.DragSource,%20java.awt.Component))([DragSource](http://docs.google.com/java/awt/dnd/DragSource.html) ds, [Component](http://docs.google.com/java/awt/Component.html) c)            Construct a new DragGestureRecognizer given the DragSource to be used in this Drag and Drop operation, and the Component this DragGestureRecognizer should "observe" for drag initiating gestures. |
| [**DragGestureRecognizer**](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html#DragGestureRecognizer(java.awt.dnd.DragSource,%20java.awt.Component,%20int))([DragSource](http://docs.google.com/java/awt/dnd/DragSource.html) ds, [Component](http://docs.google.com/java/awt/Component.html) c, int sa)            Construct a new DragGestureRecognizer given the DragSource to be used in this Drag and Drop operation, the Component this DragGestureRecognizer should "observe" for drag initiating gestures, and the action(s) supported for this Drag and Drop operation. |
| [**DragGestureRecognizer**](http://docs.google.com/java/awt/dnd/DragGestureRecognizer.html#DragGestureRecognizer(java.awt.dnd.DragSource,%20java.awt.Component,%20int,%20java.awt.dnd.DragGestureListener))([DragSource](http://docs.google.com/java/awt/dnd/DragSource.html) ds, [Component](http://docs.google.com/java/awt/Component.html) c, int sa, [DragGestureListener](http://docs.google.com/java/awt/dnd/DragGestureListener.html) dgl)            Construct a new DragGestureRecognizer given the DragSource to be used in this Drag and Drop operation, the Component this DragGestureRecognizer should "observe" for drag initiating gestures, the action(s) supported for this Drag and Drop operation, and the DragGestureListener to notify once a drag initiating gesture has been detected. |
| [**DropTarget.DropTargetAutoScroller**](http://docs.google.com/java/awt/dnd/DropTarget.DropTargetAutoScroller.html#DropTarget.DropTargetAutoScroller(java.awt.Component,%20java.awt.Point))([Component](http://docs.google.com/java/awt/Component.html) c, [Point](http://docs.google.com/java/awt/Point.html) p)            construct a DropTargetAutoScroller |
| [**DropTarget**](http://docs.google.com/java/awt/dnd/DropTarget.html#DropTarget(java.awt.Component,%20java.awt.dnd.DropTargetListener))([Component](http://docs.google.com/java/awt/Component.html) c, [DropTargetListener](http://docs.google.com/java/awt/dnd/DropTargetListener.html) dtl)            Creates a DropTarget given the Component to associate itself with, and the DropTargetListener to handle event processing. |
| [**DropTarget**](http://docs.google.com/java/awt/dnd/DropTarget.html#DropTarget(java.awt.Component,%20int,%20java.awt.dnd.DropTargetListener))([Component](http://docs.google.com/java/awt/Component.html) c, int ops, [DropTargetListener](http://docs.google.com/java/awt/dnd/DropTargetListener.html) dtl)            Creates a DropTarget given the Component to associate itself with, an int representing the default acceptable action(s) to support, and a DropTargetListener to handle event processing. |
| [**DropTarget**](http://docs.google.com/java/awt/dnd/DropTarget.html#DropTarget(java.awt.Component,%20int,%20java.awt.dnd.DropTargetListener,%20boolean))([Component](http://docs.google.com/java/awt/Component.html) c, int ops, [DropTargetListener](http://docs.google.com/java/awt/dnd/DropTargetListener.html) dtl, boolean act)            Creates a DropTarget given the Component to associate itself with, an int representing the default acceptable action(s) to support, a DropTargetListener to handle event processing, and a boolean indicating if the DropTarget is currently accepting drops. |
| [**DropTarget**](http://docs.google.com/java/awt/dnd/DropTarget.html#DropTarget(java.awt.Component,%20int,%20java.awt.dnd.DropTargetListener,%20boolean,%20java.awt.datatransfer.FlavorMap))([Component](http://docs.google.com/java/awt/Component.html) c, int ops, [DropTargetListener](http://docs.google.com/java/awt/dnd/DropTargetListener.html) dtl, boolean act, [FlavorMap](http://docs.google.com/java/awt/datatransfer/FlavorMap.html) fm)            Creates a new DropTarget given the Component to associate itself with, an int representing the default acceptable action(s) to support, a DropTargetListener to handle event processing, a boolean indicating if the DropTarget is currently accepting drops, and a FlavorMap to use (or null for the default FlavorMap). |
| [**MouseDragGestureRecognizer**](http://docs.google.com/java/awt/dnd/MouseDragGestureRecognizer.html#MouseDragGestureRecognizer(java.awt.dnd.DragSource,%20java.awt.Component))([DragSource](http://docs.google.com/java/awt/dnd/DragSource.html) ds, [Component](http://docs.google.com/java/awt/Component.html) c)            Construct a new MouseDragGestureRecognizer given the DragSource for the Component c, and the Component to observe. |
| [**MouseDragGestureRecognizer**](http://docs.google.com/java/awt/dnd/MouseDragGestureRecognizer.html#MouseDragGestureRecognizer(java.awt.dnd.DragSource,%20java.awt.Component,%20int))([DragSource](http://docs.google.com/java/awt/dnd/DragSource.html) ds, [Component](http://docs.google.com/java/awt/Component.html) c, int act)            Construct a new MouseDragGestureRecognizer given the DragSource for the Component c, the Component to observe, and the action(s) permitted for this drag operation. |
| [**MouseDragGestureRecognizer**](http://docs.google.com/java/awt/dnd/MouseDragGestureRecognizer.html#MouseDragGestureRecognizer(java.awt.dnd.DragSource,%20java.awt.Component,%20int,%20java.awt.dnd.DragGestureListener))([DragSource](http://docs.google.com/java/awt/dnd/DragSource.html) ds, [Component](http://docs.google.com/java/awt/Component.html) c, int act, [DragGestureListener](http://docs.google.com/java/awt/dnd/DragGestureListener.html) dgl)            Construct a new MouseDragGestureRecognizer given the DragSource for the Component c, the Component to observe, the action(s) permitted for this drag operation, and the DragGestureListener to notify when a drag gesture is detected. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
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| Methods in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| [Component](http://docs.google.com/java/awt/Component.html) | **HierarchyEvent.**[**getChanged**](http://docs.google.com/java/awt/event/HierarchyEvent.html#getChanged())()            Returns the Component at the top of the hierarchy which was changed. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ContainerEvent.**[**getChild**](http://docs.google.com/java/awt/event/ContainerEvent.html#getChild())()            Returns the component that was affected by the event. |
| [Component](http://docs.google.com/java/awt/Component.html) | **HierarchyEvent.**[**getComponent**](http://docs.google.com/java/awt/event/HierarchyEvent.html#getComponent())()            Returns the originator of the event. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ComponentEvent.**[**getComponent**](http://docs.google.com/java/awt/event/ComponentEvent.html#getComponent())()            Returns the originator of the event. |
| [Component](http://docs.google.com/java/awt/Component.html) | **FocusEvent.**[**getOppositeComponent**](http://docs.google.com/java/awt/event/FocusEvent.html#getOppositeComponent())()            Returns the other Component involved in this focus change. |

| Constructors in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [**ComponentEvent**](http://docs.google.com/java/awt/event/ComponentEvent.html#ComponentEvent(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id)            Constructs a ComponentEvent object. |
| [**ContainerEvent**](http://docs.google.com/java/awt/event/ContainerEvent.html#ContainerEvent(java.awt.Component,%20int,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) source, int id, [Component](http://docs.google.com/java/awt/Component.html) child)            Constructs a ContainerEvent object. |
| [**FocusEvent**](http://docs.google.com/java/awt/event/FocusEvent.html#FocusEvent(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id)            Constructs a FocusEvent object and identifies it as a permanent change in focus. |
| [**FocusEvent**](http://docs.google.com/java/awt/event/FocusEvent.html#FocusEvent(java.awt.Component,%20int,%20boolean))([Component](http://docs.google.com/java/awt/Component.html) source, int id, boolean temporary)            Constructs a FocusEvent object and identifies whether or not the change is temporary. |
| [**FocusEvent**](http://docs.google.com/java/awt/event/FocusEvent.html#FocusEvent(java.awt.Component,%20int,%20boolean,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) source, int id, boolean temporary, [Component](http://docs.google.com/java/awt/Component.html) opposite)            Constructs a FocusEvent object with the specified temporary state and opposite Component. |
| [**HierarchyEvent**](http://docs.google.com/java/awt/event/HierarchyEvent.html#HierarchyEvent(java.awt.Component,%20int,%20java.awt.Component,%20java.awt.Container))([Component](http://docs.google.com/java/awt/Component.html) source, int id, [Component](http://docs.google.com/java/awt/Component.html) changed, [Container](http://docs.google.com/java/awt/Container.html) changedParent)            Constructs an HierarchyEvent object to identify a change in the Component hierarchy. |
| [**HierarchyEvent**](http://docs.google.com/java/awt/event/HierarchyEvent.html#HierarchyEvent(java.awt.Component,%20int,%20java.awt.Component,%20java.awt.Container,%20long))([Component](http://docs.google.com/java/awt/Component.html) source, int id, [Component](http://docs.google.com/java/awt/Component.html) changed, [Container](http://docs.google.com/java/awt/Container.html) changedParent, long changeFlags)            Constructs an HierarchyEvent object to identify a change in the Component hierarchy. |
| [**InputMethodEvent**](http://docs.google.com/java/awt/event/InputMethodEvent.html#InputMethodEvent(java.awt.Component,%20int,%20java.text.AttributedCharacterIterator,%20int,%20java.awt.font.TextHitInfo,%20java.awt.font.TextHitInfo))([Component](http://docs.google.com/java/awt/Component.html) source, int id, [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int committedCharacterCount, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) caret, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) visiblePosition)            Constructs an InputMethodEvent with the specified source component, type, text, caret, and visiblePosition. |
| [**InputMethodEvent**](http://docs.google.com/java/awt/event/InputMethodEvent.html#InputMethodEvent(java.awt.Component,%20int,%20long,%20java.text.AttributedCharacterIterator,%20int,%20java.awt.font.TextHitInfo,%20java.awt.font.TextHitInfo))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int committedCharacterCount, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) caret, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) visiblePosition)            Constructs an InputMethodEvent with the specified source component, type, time, text, caret, and visiblePosition. |
| [**InputMethodEvent**](http://docs.google.com/java/awt/event/InputMethodEvent.html#InputMethodEvent(java.awt.Component,%20int,%20java.awt.font.TextHitInfo,%20java.awt.font.TextHitInfo))([Component](http://docs.google.com/java/awt/Component.html) source, int id, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) caret, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) visiblePosition)            Constructs an InputMethodEvent with the specified source component, type, caret, and visiblePosition. |
| [**KeyEvent**](http://docs.google.com/java/awt/event/KeyEvent.html#KeyEvent(java.awt.Component,%20int,%20long,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int keyCode)  **Deprecated.** *as of JDK1.1* |
| [**KeyEvent**](http://docs.google.com/java/awt/event/KeyEvent.html#KeyEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20char))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int keyCode, char keyChar)            Constructs a KeyEvent object. |
| [**KeyEvent**](http://docs.google.com/java/awt/event/KeyEvent.html#KeyEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20char,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int keyCode, char keyChar, int keyLocation) |
| [**MouseEvent**](http://docs.google.com/java/awt/event/MouseEvent.html#MouseEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20boolean))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int clickCount, boolean popupTrigger)            Constructs a MouseEvent object with the specified source component, type, modifiers, coordinates, and click count. |
| [**MouseEvent**](http://docs.google.com/java/awt/event/MouseEvent.html#MouseEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20boolean,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int clickCount, boolean popupTrigger, int button)            Constructs a MouseEvent object with the specified source component, type, modifiers, coordinates, and click count. |
| [**MouseEvent**](http://docs.google.com/java/awt/event/MouseEvent.html#MouseEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int xAbs, int yAbs, int clickCount, boolean popupTrigger, int button)            Constructs a MouseEvent object with the specified source component, type, modifiers, coordinates, absolute coordinates, and click count. |
| [**MouseWheelEvent**](http://docs.google.com/java/awt/event/MouseWheelEvent.html#MouseWheelEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20boolean,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int clickCount, boolean popupTrigger, int scrollType, int scrollAmount, int wheelRotation)            Constructs a MouseWheelEvent object with the specified source component, type, modifiers, coordinates, scroll type, scroll amount, and wheel rotation. |
| [**MouseWheelEvent**](http://docs.google.com/java/awt/event/MouseWheelEvent.html#MouseWheelEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int xAbs, int yAbs, int clickCount, boolean popupTrigger, int scrollType, int scrollAmount, int wheelRotation)            Constructs a MouseWheelEvent object with the specified source component, type, modifiers, coordinates, absolute coordinates, scroll type, scroll amount, and wheel rotation. |
| [**PaintEvent**](http://docs.google.com/java/awt/event/PaintEvent.html#PaintEvent(java.awt.Component,%20int,%20java.awt.Rectangle))([Component](http://docs.google.com/java/awt/Component.html) source, int id, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) updateRect)            Constructs a PaintEvent object with the specified source component and type. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) | |
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| Methods in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| void | **InputContext.**[**removeNotify**](http://docs.google.com/java/awt/im/InputContext.html#removeNotify(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) client)            Notifies the input context that a client component has been removed from its containment hierarchy, or that input method support has been disabled for the component. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [java.beans](http://docs.google.com/java/beans/package-summary.html) | |
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| Methods in [java.beans](http://docs.google.com/java/beans/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| [Component](http://docs.google.com/java/awt/Component.html) | **PropertyEditorSupport.**[**getCustomEditor**](http://docs.google.com/java/beans/PropertyEditorSupport.html#getCustomEditor())()            A PropertyEditor may chose to make available a full custom Component that edits its property value. |
| [Component](http://docs.google.com/java/awt/Component.html) | **PropertyEditor.**[**getCustomEditor**](http://docs.google.com/java/beans/PropertyEditor.html#getCustomEditor())()            A PropertyEditor may choose to make available a full custom Component that edits its property value. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) | |
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| Methods in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| [Component](http://docs.google.com/java/awt/Component.html) | **BeanContextChildComponentProxy.**[**getComponent**](http://docs.google.com/java/beans/beancontext/BeanContextChildComponentProxy.html#getComponent())()            Gets the java.awt.Component associated with this BeanContextChild. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| class | [**AbstractButton**](http://docs.google.com/javax/swing/AbstractButton.html)            Defines common behaviors for buttons and menu items. |
| class | [**Box**](http://docs.google.com/javax/swing/Box.html)            A lightweight container that uses a BoxLayout object as its layout manager. |
| static class | [**Box.Filler**](http://docs.google.com/javax/swing/Box.Filler.html)            An implementation of a lightweight component that participates in layout but has no view. |
| class | [**CellRendererPane**](http://docs.google.com/javax/swing/CellRendererPane.html)            This class is inserted in between cell renderers and the components that use them. |
| class | [**DefaultListCellRenderer**](http://docs.google.com/javax/swing/DefaultListCellRenderer.html)            Renders an item in a list. |
| static class | [**DefaultListCellRenderer.UIResource**](http://docs.google.com/javax/swing/DefaultListCellRenderer.UIResource.html)            A subclass of DefaultListCellRenderer that implements UIResource. |
| class | [**JApplet**](http://docs.google.com/javax/swing/JApplet.html)            An extended version of java.applet.Applet that adds support for the JFC/Swing component architecture. |
| class | [**JButton**](http://docs.google.com/javax/swing/JButton.html)            An implementation of a "push" button. |
| class | [**JCheckBox**](http://docs.google.com/javax/swing/JCheckBox.html)            An implementation of a check box -- an item that can be selected or deselected, and which displays its state to the user. |
| class | [**JCheckBoxMenuItem**](http://docs.google.com/javax/swing/JCheckBoxMenuItem.html)            A menu item that can be selected or deselected. |
| class | [**JColorChooser**](http://docs.google.com/javax/swing/JColorChooser.html)            JColorChooser provides a pane of controls designed to allow a user to manipulate and select a color. |
| class | [**JComboBox**](http://docs.google.com/javax/swing/JComboBox.html)            A component that combines a button or editable field and a drop-down list. |
| class | [**JComponent**](http://docs.google.com/javax/swing/JComponent.html)            The base class for all Swing components except top-level containers. |
| class | [**JDesktopPane**](http://docs.google.com/javax/swing/JDesktopPane.html)            A container used to create a multiple-document interface or a virtual desktop. |
| class | [**JDialog**](http://docs.google.com/javax/swing/JDialog.html)            The main class for creating a dialog window. |
| class | [**JEditorPane**](http://docs.google.com/javax/swing/JEditorPane.html)            A text component to edit various kinds of content. |
| class | [**JFileChooser**](http://docs.google.com/javax/swing/JFileChooser.html)            JFileChooser provides a simple mechanism for the user to choose a file. |
| class | [**JFormattedTextField**](http://docs.google.com/javax/swing/JFormattedTextField.html)            JFormattedTextField extends JTextField adding support for formatting arbitrary values, as well as retrieving a particular object once the user has edited the text. |
| class | [**JFrame**](http://docs.google.com/javax/swing/JFrame.html)            An extended version of java.awt.Frame that adds support for the JFC/Swing component architecture. |
| class | [**JInternalFrame**](http://docs.google.com/javax/swing/JInternalFrame.html)            A lightweight object that provides many of the features of a native frame, including dragging, closing, becoming an icon, resizing, title display, and support for a menu bar. |
| static class | [**JInternalFrame.JDesktopIcon**](http://docs.google.com/javax/swing/JInternalFrame.JDesktopIcon.html)            This component represents an iconified version of a JInternalFrame. |
| class | [**JLabel**](http://docs.google.com/javax/swing/JLabel.html)            A display area for a short text string or an image, or both. |
| class | [**JLayeredPane**](http://docs.google.com/javax/swing/JLayeredPane.html)            JLayeredPane adds depth to a JFC/Swing container, allowing components to overlap each other when needed. |
| class | [**JList**](http://docs.google.com/javax/swing/JList.html)            A component that displays a list of objects and allows the user to select one or more items. |
| class | [**JMenu**](http://docs.google.com/javax/swing/JMenu.html)            An implementation of a menu -- a popup window containing JMenuItems that is displayed when the user selects an item on the JMenuBar. |
| class | [**JMenuBar**](http://docs.google.com/javax/swing/JMenuBar.html)            An implementation of a menu bar. |
| class | [**JMenuItem**](http://docs.google.com/javax/swing/JMenuItem.html)            An implementation of an item in a menu. |
| class | [**JOptionPane**](http://docs.google.com/javax/swing/JOptionPane.html)            JOptionPane makes it easy to pop up a standard dialog box that prompts users for a value or informs them of something. |
| class | [**JPanel**](http://docs.google.com/javax/swing/JPanel.html)            JPanel is a generic lightweight container. |
| class | [**JPasswordField**](http://docs.google.com/javax/swing/JPasswordField.html)            JPasswordField is a lightweight component that allows the editing of a single line of text where the view indicates something was typed, but does not show the original characters. |
| class | [**JPopupMenu**](http://docs.google.com/javax/swing/JPopupMenu.html)            An implementation of a popup menu -- a small window that pops up and displays a series of choices. |
| static class | [**JPopupMenu.Separator**](http://docs.google.com/javax/swing/JPopupMenu.Separator.html)            A popup menu-specific separator. |
| class | [**JProgressBar**](http://docs.google.com/javax/swing/JProgressBar.html)            A component that visually displays the progress of some task. |
| class | [**JRadioButton**](http://docs.google.com/javax/swing/JRadioButton.html)            An implementation of a radio button -- an item that can be selected or deselected, and which displays its state to the user. |
| class | [**JRadioButtonMenuItem**](http://docs.google.com/javax/swing/JRadioButtonMenuItem.html)            An implementation of a radio button menu item. |
| class | [**JRootPane**](http://docs.google.com/javax/swing/JRootPane.html)            A lightweight container used behind the scenes by JFrame, JDialog, JWindow, JApplet, and JInternalFrame. |
| class | [**JScrollBar**](http://docs.google.com/javax/swing/JScrollBar.html)            An implementation of a scrollbar. |
| class | [**JScrollPane**](http://docs.google.com/javax/swing/JScrollPane.html)            Provides a scrollable view of a lightweight component. |
| protected  class | [**JScrollPane.ScrollBar**](http://docs.google.com/javax/swing/JScrollPane.ScrollBar.html)            By default JScrollPane creates scrollbars that are instances of this class. |
| class | [**JSeparator**](http://docs.google.com/javax/swing/JSeparator.html)            JSeparator provides a general purpose component for implementing divider lines - most commonly used as a divider between menu items that breaks them up into logical groupings. |
| class | [**JSlider**](http://docs.google.com/javax/swing/JSlider.html)            A component that lets the user graphically select a value by sliding a knob within a bounded interval. |
| class | [**JSpinner**](http://docs.google.com/javax/swing/JSpinner.html)            A single line input field that lets the user select a number or an object value from an ordered sequence. |
| static class | [**JSpinner.DateEditor**](http://docs.google.com/javax/swing/JSpinner.DateEditor.html)            An editor for a JSpinner whose model is a SpinnerDateModel. |
| static class | [**JSpinner.DefaultEditor**](http://docs.google.com/javax/swing/JSpinner.DefaultEditor.html)            A simple base class for more specialized editors that displays a read-only view of the model's current value with a JFormattedTextField. |
| static class | [**JSpinner.ListEditor**](http://docs.google.com/javax/swing/JSpinner.ListEditor.html)            An editor for a JSpinner whose model is a SpinnerListModel. |
| static class | [**JSpinner.NumberEditor**](http://docs.google.com/javax/swing/JSpinner.NumberEditor.html)            An editor for a JSpinner whose model is a SpinnerNumberModel. |
| class | [**JSplitPane**](http://docs.google.com/javax/swing/JSplitPane.html)            JSplitPane is used to divide two (and only two) Components. |
| class | [**JTabbedPane**](http://docs.google.com/javax/swing/JTabbedPane.html)            A component that lets the user switch between a group of components by clicking on a tab with a given title and/or icon. |
| class | [**JTable**](http://docs.google.com/javax/swing/JTable.html)            The JTable is used to display and edit regular two-dimensional tables of cells. |
| class | [**JTextArea**](http://docs.google.com/javax/swing/JTextArea.html)            A JTextArea is a multi-line area that displays plain text. |
| class | [**JTextField**](http://docs.google.com/javax/swing/JTextField.html)            JTextField is a lightweight component that allows the editing of a single line of text. |
| class | [**JTextPane**](http://docs.google.com/javax/swing/JTextPane.html)            A text component that can be marked up with attributes that are represented graphically. |
| class | [**JToggleButton**](http://docs.google.com/javax/swing/JToggleButton.html)            An implementation of a two-state button. |
| class | [**JToolBar**](http://docs.google.com/javax/swing/JToolBar.html)            JToolBar provides a component that is useful for displaying commonly used Actions or controls. |
| static class | [**JToolBar.Separator**](http://docs.google.com/javax/swing/JToolBar.Separator.html)            A toolbar-specific separator. |
| class | [**JToolTip**](http://docs.google.com/javax/swing/JToolTip.html)            Used to display a "Tip" for a Component. |
| class | [**JTree**](http://docs.google.com/javax/swing/JTree.html)  A control that displays a set of hierarchical data as an outline. |
| class | [**JViewport**](http://docs.google.com/javax/swing/JViewport.html)            The "viewport" or "porthole" through which you see the underlying information. |
| class | [**JWindow**](http://docs.google.com/javax/swing/JWindow.html)            A JWindow is a container that can be displayed anywhere on the user's desktop. |

| Fields in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) declared as [Component](http://docs.google.com/java/awt/Component.html) | |
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| protected static [Component](http://docs.google.com/java/awt/Component.html) | **ImageIcon.**[**component**](http://docs.google.com/javax/swing/ImageIcon.html#component) |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JTable.**[**editorComp**](http://docs.google.com/javax/swing/JTable.html#editorComp)            If editing, the Component that is handling the editing. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JRootPane.**[**glassPane**](http://docs.google.com/javax/swing/JRootPane.html#glassPane)            The glass pane that overlays the menu bar and content pane, so it can intercept mouse movements and such. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JLabel.**[**labelFor**](http://docs.google.com/javax/swing/JLabel.html#labelFor) |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JSplitPane.**[**leftComponent**](http://docs.google.com/javax/swing/JSplitPane.html#leftComponent)            The left or top component. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JScrollPane.**[**lowerLeft**](http://docs.google.com/javax/swing/JScrollPane.html#lowerLeft)            The component to display in the lower left corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ScrollPaneLayout.**[**lowerLeft**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#lowerLeft)            The component to display in the lower left corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JScrollPane.**[**lowerRight**](http://docs.google.com/javax/swing/JScrollPane.html#lowerRight)            The component to display in the lower right corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ScrollPaneLayout.**[**lowerRight**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#lowerRight)            The component to display in the lower right corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JSplitPane.**[**rightComponent**](http://docs.google.com/javax/swing/JSplitPane.html#rightComponent)            The right or bottom component. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JScrollPane.**[**upperLeft**](http://docs.google.com/javax/swing/JScrollPane.html#upperLeft)            The component to display in the upper left corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ScrollPaneLayout.**[**upperLeft**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#upperLeft)            The component to display in the upper left corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JScrollPane.**[**upperRight**](http://docs.google.com/javax/swing/JScrollPane.html#upperRight)            The component to display in the upper right corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ScrollPaneLayout.**[**upperRight**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#upperRight)            The component to display in the upper right corner. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Adds a component with a tab title defaulting to the name of the component which is the result of calling component.getName. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenu.**[**add**](http://docs.google.com/javax/swing/JMenu.html#add(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Appends a component to the end of this menu. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, int index)            Adds a component at the specified tab index with a tab title defaulting to the name of the component. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenu.**[**add**](http://docs.google.com/javax/swing/JMenu.html#add(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int index)            Adds the specified component to this container at the given position. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) title, [Component](http://docs.google.com/java/awt/Component.html) component)            Adds a component with the specified tab title. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ScrollPaneLayout.**[**addSingletonComponent**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#addSingletonComponent(java.awt.Component,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) oldC, [Component](http://docs.google.com/java/awt/Component.html) newC)            Removes an existing component. |
| [Component](http://docs.google.com/java/awt/Component.html) | **MenuSelectionManager.**[**componentForPoint**](http://docs.google.com/javax/swing/MenuSelectionManager.html#componentForPoint(java.awt.Component,%20java.awt.Point))([Component](http://docs.google.com/java/awt/Component.html) source, [Point](http://docs.google.com/java/awt/Point.html) sourcePoint)            Returns the component in the currently selected path which contains sourcePoint. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JRootPane.**[**createGlassPane**](http://docs.google.com/javax/swing/JRootPane.html#createGlassPane())()            Called by the constructor methods to create the default glassPane. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **Box.**[**createGlue**](http://docs.google.com/javax/swing/Box.html#createGlue())()            Creates an invisible "glue" component that can be useful in a Box whose visible components have a maximum width (for a horizontal box) or height (for a vertical box). |
| static [Component](http://docs.google.com/java/awt/Component.html) | **Box.**[**createHorizontalGlue**](http://docs.google.com/javax/swing/Box.html#createHorizontalGlue())()            Creates a horizontal glue component. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **Box.**[**createHorizontalStrut**](http://docs.google.com/javax/swing/Box.html#createHorizontalStrut(int))(int width)            Creates an invisible, fixed-width component. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **Box.**[**createRigidArea**](http://docs.google.com/javax/swing/Box.html#createRigidArea(java.awt.Dimension))([Dimension](http://docs.google.com/java/awt/Dimension.html) d)            Creates an invisible component that's always the specified size. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **Box.**[**createVerticalGlue**](http://docs.google.com/javax/swing/Box.html#createVerticalGlue())()            Creates a vertical glue component. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **Box.**[**createVerticalStrut**](http://docs.google.com/javax/swing/Box.html#createVerticalStrut(int))(int height)            Creates an invisible, fixed-height component. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **SwingUtilities.**[**findFocusOwner**](http://docs.google.com/javax/swing/SwingUtilities.html#findFocusOwner(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)  **Deprecated.** *As of 1.4, replaced by KeyboardFocusManager.getFocusOwner().* |
| [Component](http://docs.google.com/java/awt/Component.html) | **JSplitPane.**[**getBottomComponent**](http://docs.google.com/javax/swing/JSplitPane.html#getBottomComponent())()            Returns the component below, or to the right of the divider. |
| [Component](http://docs.google.com/java/awt/Component.html) | **Renderer.**[**getComponent**](http://docs.google.com/javax/swing/Renderer.html#getComponent())()            Returns the component used to render the value. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultCellEditor.**[**getComponent**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getComponent())()            Returns a reference to the editor component. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenuItem.**[**getComponent**](http://docs.google.com/javax/swing/JMenuItem.html#getComponent())()            Returns the java.awt.Component used to paint this object. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JPopupMenu.**[**getComponent**](http://docs.google.com/javax/swing/JPopupMenu.html#getComponent())()            Returns this JPopupMenu component. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenuBar.**[**getComponent**](http://docs.google.com/javax/swing/JMenuBar.html#getComponent())()            Implemented to be a MenuElement. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenu.**[**getComponent**](http://docs.google.com/javax/swing/JMenu.html#getComponent())()            Returns the java.awt.Component used to paint this MenuElement. |
| [Component](http://docs.google.com/java/awt/Component.html) | **TransferHandler.TransferSupport.**[**getComponent**](http://docs.google.com/javax/swing/TransferHandler.TransferSupport.html#getComponent())()            Returns the target component of this transfer. |
| [Component](http://docs.google.com/java/awt/Component.html) | **MenuElement.**[**getComponent**](http://docs.google.com/javax/swing/MenuElement.html#getComponent())()            This method should return the java.awt.Component used to paint the receiving element. |
| [Component](http://docs.google.com/java/awt/Component.html) | **SortingFocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **LayoutFocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/javax/swing/LayoutFocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultFocusManager.**[**getComponentAfter**](http://docs.google.com/javax/swing/DefaultFocusManager.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent) |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**getComponentAt**](http://docs.google.com/javax/swing/JTabbedPane.html#getComponentAt(int))(int index)            Returns the component at index. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JToolBar.**[**getComponentAtIndex**](http://docs.google.com/javax/swing/JToolBar.html#getComponentAtIndex(int))(int i)            Returns the component at the specified index. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JPopupMenu.**[**getComponentAtIndex**](http://docs.google.com/javax/swing/JPopupMenu.html#getComponentAtIndex(int))(int i)  **Deprecated.** *replaced by* [*Container.getComponent(int)*](http://docs.google.com/java/awt/Container.html#getComponent(int)) |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenuBar.**[**getComponentAtIndex**](http://docs.google.com/javax/swing/JMenuBar.html#getComponentAtIndex(int))(int i)  **Deprecated.** *replaced by getComponent(int i)* |
| [Component](http://docs.google.com/java/awt/Component.html) | **SortingFocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **LayoutFocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/javax/swing/LayoutFocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultFocusManager.**[**getComponentBefore**](http://docs.google.com/javax/swing/DefaultFocusManager.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent) |
| [Component](http://docs.google.com/java/awt/Component.html)[] | **JLayeredPane.**[**getComponentsInLayer**](http://docs.google.com/javax/swing/JLayeredPane.html#getComponentsInLayer(int))(int layer)            Returns an array of the components in the specified layer. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JScrollPane.**[**getCorner**](http://docs.google.com/javax/swing/JScrollPane.html#getCorner(java.lang.String))([String](http://docs.google.com/java/lang/String.html) key)            Returns the component at the specified corner. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ScrollPaneLayout.**[**getCorner**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#getCorner(java.lang.String))([String](http://docs.google.com/java/lang/String.html) key)            Returns the Component at the specified corner. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **JTable.AccessibleJTable.AccessibleJTableCell.**[**getCurrentComponent**](http://docs.google.com/javax/swing/JTable.AccessibleJTable.AccessibleJTableCell.html#getCurrentComponent())()            Gets the table cell renderer component. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **SwingUtilities.**[**getDeepestComponentAt**](http://docs.google.com/javax/swing/SwingUtilities.html#getDeepestComponentAt(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) parent, int x, int y)            Returns the deepest visible descendent Component of parent that contains the location x, y. |
| [Component](http://docs.google.com/java/awt/Component.html) | **SortingFocusTraversalPolicy.**[**getDefaultComponent**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getDefaultComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the default Component to focus. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTable.**[**getEditorComponent**](http://docs.google.com/javax/swing/JTable.html#getEditorComponent())()            Returns the component that is handling the editing session. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ComboBoxEditor.**[**getEditorComponent**](http://docs.google.com/javax/swing/ComboBoxEditor.html#getEditorComponent())()            Return the component that should be added to the tree hierarchy for this editor |
| [Component](http://docs.google.com/java/awt/Component.html) | **SortingFocusTraversalPolicy.**[**getFirstComponent**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getFirstComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the first Component in the traversal cycle. |
| [Component](http://docs.google.com/java/awt/Component.html) | **LayoutFocusTraversalPolicy.**[**getFirstComponent**](http://docs.google.com/javax/swing/LayoutFocusTraversalPolicy.html#getFirstComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the first Component in the traversal cycle. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultFocusManager.**[**getFirstComponent**](http://docs.google.com/javax/swing/DefaultFocusManager.html#getFirstComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer) |
| [Component](http://docs.google.com/java/awt/Component.html) | **JInternalFrame.**[**getFocusOwner**](http://docs.google.com/javax/swing/JInternalFrame.html#getFocusOwner())()            If this JInternalFrame is active, returns the child that has focus. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JInternalFrame.**[**getGlassPane**](http://docs.google.com/javax/swing/JInternalFrame.html#getGlassPane())()            Returns the glass pane for this internal frame. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JDialog.**[**getGlassPane**](http://docs.google.com/javax/swing/JDialog.html#getGlassPane())()            Returns the glassPane object for this dialog. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JApplet.**[**getGlassPane**](http://docs.google.com/javax/swing/JApplet.html#getGlassPane())()            Returns the glassPane object for this applet. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JWindow.**[**getGlassPane**](http://docs.google.com/javax/swing/JWindow.html#getGlassPane())()            Returns the glassPane Component for this window. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JRootPane.**[**getGlassPane**](http://docs.google.com/javax/swing/JRootPane.html#getGlassPane())()            Returns the current glass pane for this JRootPane. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JFrame.**[**getGlassPane**](http://docs.google.com/javax/swing/JFrame.html#getGlassPane())()            Returns the glassPane object for this frame. |
| [Component](http://docs.google.com/java/awt/Component.html) | **RootPaneContainer.**[**getGlassPane**](http://docs.google.com/javax/swing/RootPaneContainer.html#getGlassPane())()            Returns the glassPane. |
| [Component](http://docs.google.com/java/awt/Component.html) | **InternalFrameFocusTraversalPolicy.**[**getInitialComponent**](http://docs.google.com/javax/swing/InternalFrameFocusTraversalPolicy.html#getInitialComponent(javax.swing.JInternalFrame))([JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) frame)            Returns the Component that should receive the focus when a JInternalFrame is selected for the first time. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JPopupMenu.**[**getInvoker**](http://docs.google.com/javax/swing/JPopupMenu.html#getInvoker())()            Returns the component which is the 'invoker' of this popup menu. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JLabel.**[**getLabelFor**](http://docs.google.com/javax/swing/JLabel.html#getLabelFor())()            Get the component this is labelling. |
| [Component](http://docs.google.com/java/awt/Component.html) | **SortingFocusTraversalPolicy.**[**getLastComponent**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getLastComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the last Component in the traversal cycle. |
| [Component](http://docs.google.com/java/awt/Component.html) | **LayoutFocusTraversalPolicy.**[**getLastComponent**](http://docs.google.com/javax/swing/LayoutFocusTraversalPolicy.html#getLastComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer)            Returns the last Component in the traversal cycle. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultFocusManager.**[**getLastComponent**](http://docs.google.com/javax/swing/DefaultFocusManager.html#getLastComponent(java.awt.Container))([Container](http://docs.google.com/java/awt/Container.html) aContainer) |
| [Component](http://docs.google.com/java/awt/Component.html) | **JSplitPane.**[**getLeftComponent**](http://docs.google.com/javax/swing/JSplitPane.html#getLeftComponent())()            Returns the component to the left (or above) the divider. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultListCellRenderer.**[**getListCellRendererComponent**](http://docs.google.com/javax/swing/DefaultListCellRenderer.html#getListCellRendererComponent(javax.swing.JList,%20java.lang.Object,%20int,%20boolean,%20boolean))([JList](http://docs.google.com/javax/swing/JList.html) list, [Object](http://docs.google.com/java/lang/Object.html) value, int index, boolean isSelected, boolean cellHasFocus) |
| [Component](http://docs.google.com/java/awt/Component.html) | **ListCellRenderer.**[**getListCellRendererComponent**](http://docs.google.com/javax/swing/ListCellRenderer.html#getListCellRendererComponent(javax.swing.JList,%20java.lang.Object,%20int,%20boolean,%20boolean))([JList](http://docs.google.com/javax/swing/JList.html) list, [Object](http://docs.google.com/java/lang/Object.html) value, int index, boolean isSelected, boolean cellHasFocus)            Return a component that has been configured to display the specified value. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenu.**[**getMenuComponent**](http://docs.google.com/javax/swing/JMenu.html#getMenuComponent(int))(int n)            Returns the component at position n. |
| [Component](http://docs.google.com/java/awt/Component.html)[] | **JMenu.**[**getMenuComponents**](http://docs.google.com/javax/swing/JMenu.html#getMenuComponents())()            Returns an array of Components of the menu's subcomponents. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JInternalFrame.**[**getMostRecentFocusOwner**](http://docs.google.com/javax/swing/JInternalFrame.html#getMostRecentFocusOwner())()            Returns the child component of this JInternalFrame that will receive the focus when this JInternalFrame is selected. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JComponent.**[**getNextFocusableComponent**](http://docs.google.com/javax/swing/JComponent.html#getNextFocusableComponent())()  **Deprecated.** *As of 1.4, replaced by FocusTraversalPolicy.* |
| [Component](http://docs.google.com/java/awt/Component.html) | **JSplitPane.**[**getRightComponent**](http://docs.google.com/javax/swing/JSplitPane.html#getRightComponent())()            Returns the component to the right (or below) the divider. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **SwingUtilities.**[**getRoot**](http://docs.google.com/javax/swing/SwingUtilities.html#getRoot(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the root component for the current component tree. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**getSelectedComponent**](http://docs.google.com/javax/swing/JTabbedPane.html#getSelectedComponent())()            Returns the currently selected component for this tabbedpane. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**getTabComponentAt**](http://docs.google.com/javax/swing/JTabbedPane.html#getTabComponentAt(int))(int index)            Returns the tab component at index. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultCellEditor.**[**getTableCellEditorComponent**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getTableCellEditorComponent(javax.swing.JTable,%20java.lang.Object,%20boolean,%20int,%20int))([JTable](http://docs.google.com/javax/swing/JTable.html) table, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, int row, int column)            Implements the TableCellEditor interface. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JSplitPane.**[**getTopComponent**](http://docs.google.com/javax/swing/JSplitPane.html#getTopComponent())()            Returns the component above, or to the left of the divider. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultCellEditor.**[**getTreeCellEditorComponent**](http://docs.google.com/javax/swing/DefaultCellEditor.html#getTreeCellEditorComponent(javax.swing.JTree,%20java.lang.Object,%20boolean,%20boolean,%20boolean,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, boolean expanded, boolean leaf, int row)            Implements the TreeCellEditor interface. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JViewport.**[**getView**](http://docs.google.com/javax/swing/JViewport.html#getView())()            Returns the JViewport's one child or null. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTable.**[**prepareEditor**](http://docs.google.com/javax/swing/JTable.html#prepareEditor(javax.swing.table.TableCellEditor,%20int,%20int))([TableCellEditor](http://docs.google.com/javax/swing/table/TableCellEditor.html) editor, int row, int column)            Prepares the editor by querying the data model for the value and selection state of the cell at row, column. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTable.**[**prepareRenderer**](http://docs.google.com/javax/swing/JTable.html#prepareRenderer(javax.swing.table.TableCellRenderer,%20int,%20int))([TableCellRenderer](http://docs.google.com/javax/swing/table/TableCellRenderer.html) renderer, int row, int column)            Prepares the renderer by querying the data model for the value and selection state of the cell at row, column. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return types with arguments of type [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  [Comparator](http://docs.google.com/java/util/Comparator.html)<? super [Component](http://docs.google.com/java/awt/Component.html)> | **SortingFocusTraversalPolicy.**[**getComparator**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getComparator())()            Returns the Comparator which will be used to sort the Components in a focus traversal cycle. |
| protected  [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Component](http://docs.google.com/java/awt/Component.html),[Integer](http://docs.google.com/java/lang/Integer.html)> | **JLayeredPane.**[**getComponentToLayer**](http://docs.google.com/javax/swing/JLayeredPane.html#getComponentToLayer())()            Returns the hashtable that maps components to layers. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  boolean | **SortingFocusTraversalPolicy.**[**accept**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#accept(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Determines whether a Component is an acceptable choice as the new focus owner. |
| protected  boolean | **LayoutFocusTraversalPolicy.**[**accept**](http://docs.google.com/javax/swing/LayoutFocusTraversalPolicy.html#accept(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Determines whether the specified Component is an acceptable choice as the new focus owner. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Adds a component with a tab title defaulting to the name of the component which is the result of calling component.getName. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenu.**[**add**](http://docs.google.com/javax/swing/JMenu.html#add(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Appends a component to the end of this menu. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, int index)            Adds a component at the specified tab index with a tab title defaulting to the name of the component. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenu.**[**add**](http://docs.google.com/javax/swing/JMenu.html#add(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int index)            Adds the specified component to this container at the given position. |
| void | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) component, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds a component to the tabbed pane. |
| void | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds a component at the specified tab index. |
| [Component](http://docs.google.com/java/awt/Component.html) | **JTabbedPane.**[**add**](http://docs.google.com/javax/swing/JTabbedPane.html#add(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) title, [Component](http://docs.google.com/java/awt/Component.html) component)            Adds a component with the specified tab title. |
| [GroupLayout.SequentialGroup](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html) | **GroupLayout.SequentialGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html#addComponent(boolean,%20java.awt.Component))(boolean useAsBaseline, [Component](http://docs.google.com/java/awt/Component.html) component)            Adds a Component to this Group. |
| [GroupLayout.SequentialGroup](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html) | **GroupLayout.SequentialGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html#addComponent(boolean,%20java.awt.Component,%20int,%20int,%20int))(boolean useAsBaseline, [Component](http://docs.google.com/java/awt/Component.html) component, int min, int pref, int max)            Adds a Component to this Group with the specified size. |
| [GroupLayout.Group](http://docs.google.com/javax/swing/GroupLayout.Group.html) | **GroupLayout.Group.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.Group.html#addComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Adds a Component to this Group. |
| [GroupLayout.SequentialGroup](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html) | **GroupLayout.SequentialGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html#addComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Adds a Component to this Group. |
| [GroupLayout.ParallelGroup](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html) | **GroupLayout.ParallelGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html#addComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Adds a Component to this Group. |
| [GroupLayout.ParallelGroup](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html) | **GroupLayout.ParallelGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html#addComponent(java.awt.Component,%20javax.swing.GroupLayout.Alignment))([Component](http://docs.google.com/java/awt/Component.html) component, [GroupLayout.Alignment](http://docs.google.com/javax/swing/GroupLayout.Alignment.html) alignment)            Adds a Component to this ParallelGroup with the specified alignment. |
| [GroupLayout.ParallelGroup](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html) | **GroupLayout.ParallelGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html#addComponent(java.awt.Component,%20javax.swing.GroupLayout.Alignment,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, [GroupLayout.Alignment](http://docs.google.com/javax/swing/GroupLayout.Alignment.html) alignment, int min, int pref, int max)            Adds a Component to this ParallelGroup with the specified alignment and size. |
| [GroupLayout.Group](http://docs.google.com/javax/swing/GroupLayout.Group.html) | **GroupLayout.Group.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.Group.html#addComponent(java.awt.Component,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, int min, int pref, int max)            Adds a Component to this Group with the specified size. |
| [GroupLayout.SequentialGroup](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html) | **GroupLayout.SequentialGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html#addComponent(java.awt.Component,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, int min, int pref, int max)            Adds a Component to this Group with the specified size. |
| [GroupLayout.ParallelGroup](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html) | **GroupLayout.ParallelGroup.**[**addComponent**](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html#addComponent(java.awt.Component,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, int min, int pref, int max)            Adds a Component to this Group with the specified size. |
| protected  void | **JToolBar.**[**addImpl**](http://docs.google.com/javax/swing/JToolBar.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            If a JButton is being added, it is initially set to be disabled. |
| protected  void | **JSplitPane.**[**addImpl**](http://docs.google.com/javax/swing/JSplitPane.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified component to this split pane. |
| protected  void | **JDesktopPane.**[**addImpl**](http://docs.google.com/javax/swing/JDesktopPane.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified component to this container at the specified index. |
| protected  void | **JInternalFrame.**[**addImpl**](http://docs.google.com/javax/swing/JInternalFrame.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified child Component. |
| protected  void | **JDialog.**[**addImpl**](http://docs.google.com/javax/swing/JDialog.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified child Component. |
| protected  void | **JApplet.**[**addImpl**](http://docs.google.com/javax/swing/JApplet.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified child Component. |
| protected  void | **JWindow.**[**addImpl**](http://docs.google.com/javax/swing/JWindow.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified child Component. |
| protected  void | **CellRendererPane.**[**addImpl**](http://docs.google.com/javax/swing/CellRendererPane.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) x, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            If the specified component is already a child of this then we don't bother doing anything - stacking order doesn't matter for cell renderer components (CellRendererPane doesn't paint anyway).< |
| protected  void | **JViewport.**[**addImpl**](http://docs.google.com/javax/swing/JViewport.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) child, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Sets the JViewport's one lightweight child, which can be null. |
| protected  void | **AbstractButton.**[**addImpl**](http://docs.google.com/javax/swing/AbstractButton.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified component to this container at the specified index, refer to [Container.addImpl(Component, Object, int)](http://docs.google.com/java/awt/Container.html#addImpl(java.awt.Component,%20java.lang.Object,%20int)) for a complete description of this method. |
| protected  void | **JLayeredPane.**[**addImpl**](http://docs.google.com/javax/swing/JLayeredPane.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index) |
| protected  void | **JRootPane.**[**addImpl**](http://docs.google.com/javax/swing/JRootPane.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Overridden to enforce the position of the glass component as the zero child. |
| protected  void | **JFrame.**[**addImpl**](http://docs.google.com/javax/swing/JFrame.html#addImpl(java.awt.Component,%20java.lang.Object,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints, int index)            Adds the specified child Component. |
| void | **SpringLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/SpringLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) component, [Object](http://docs.google.com/java/lang/Object.html) constraints)            If constraints is an instance of SpringLayout.Constraints, associates the constraints with the specified component. |
| void | **GroupLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/GroupLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) component, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Notification that a Component has been added to the parent container. |
| void | **BoxLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/BoxLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Not used by this class. |
| void | **OverlayLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/OverlayLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds the specified component to the layout, using the specified constraint object. |
| void | **JRootPane.RootLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/JRootPane.RootLayout.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints) |
| void | **SpringLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/SpringLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) c)            Has no effect, since this layout manager does not use a per-component string. |
| void | **GroupLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/GroupLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) component)            Notification that a Component has been added to the parent container. |
| void | **JSpinner.DefaultEditor.**[**addLayoutComponent**](http://docs.google.com/javax/swing/JSpinner.DefaultEditor.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) child)            This LayoutManager method does nothing. |
| void | **BoxLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/BoxLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Not used by this class. |
| void | **ViewportLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/ViewportLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) c)            Adds the specified component to the layout. |
| void | **ScrollPaneLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) s, [Component](http://docs.google.com/java/awt/Component.html) c)            Adds the specified component to the layout. |
| void | **OverlayLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/OverlayLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Adds the specified component to the layout. |
| void | **JRootPane.RootLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/JRootPane.RootLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp) |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ScrollPaneLayout.**[**addSingletonComponent**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#addSingletonComponent(java.awt.Component,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) oldC, [Component](http://docs.google.com/java/awt/Component.html) newC)            Removes an existing component. |
| void | **JTabbedPane.**[**addTab**](http://docs.google.com/javax/swing/JTabbedPane.html#addTab(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) title, [Component](http://docs.google.com/java/awt/Component.html) component)            Adds a component represented by a title and no icon. |
| void | **JTabbedPane.**[**addTab**](http://docs.google.com/javax/swing/JTabbedPane.html#addTab(java.lang.String,%20javax.swing.Icon,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) title, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Component](http://docs.google.com/java/awt/Component.html) component)            Adds a component represented by a title and/or icon, either of which can be null. |
| void | **JTabbedPane.**[**addTab**](http://docs.google.com/javax/swing/JTabbedPane.html#addTab(java.lang.String,%20javax.swing.Icon,%20java.awt.Component,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) title, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Component](http://docs.google.com/java/awt/Component.html) component, [String](http://docs.google.com/java/lang/String.html) tip)            Adds a component and tip represented by a title and/or icon, either of which can be null. |
| boolean | **DefaultFocusManager.**[**compareTabOrder**](http://docs.google.com/javax/swing/DefaultFocusManager.html#compareTabOrder(java.awt.Component,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) a, [Component](http://docs.google.com/java/awt/Component.html) b) |
| [Component](http://docs.google.com/java/awt/Component.html) | **MenuSelectionManager.**[**componentForPoint**](http://docs.google.com/javax/swing/MenuSelectionManager.html#componentForPoint(java.awt.Component,%20java.awt.Point))([Component](http://docs.google.com/java/awt/Component.html) source, [Point](http://docs.google.com/java/awt/Point.html) sourcePoint)            Returns the component in the currently selected path which contains sourcePoint. |
| static [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) | **SwingUtilities.**[**convertMouseEvent**](http://docs.google.com/javax/swing/SwingUtilities.html#convertMouseEvent(java.awt.Component,%20java.awt.event.MouseEvent,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) source, [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) sourceEvent, [Component](http://docs.google.com/java/awt/Component.html) destination)            Returns a MouseEvent similar to sourceEvent except that its x and y members have been converted to destination's coordinate system. |
| static [Point](http://docs.google.com/java/awt/Point.html) | **SwingUtilities.**[**convertPoint**](http://docs.google.com/javax/swing/SwingUtilities.html#convertPoint(java.awt.Component,%20int,%20int,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) source, int x, int y, [Component](http://docs.google.com/java/awt/Component.html) destination)            Convert the point (x,y) in source coordinate system to destination coordinate system. |
| static [Point](http://docs.google.com/java/awt/Point.html) | **SwingUtilities.**[**convertPoint**](http://docs.google.com/javax/swing/SwingUtilities.html#convertPoint(java.awt.Component,%20java.awt.Point,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) source, [Point](http://docs.google.com/java/awt/Point.html) aPoint, [Component](http://docs.google.com/java/awt/Component.html) destination)            Convert a aPoint in source coordinate system to destination coordinate system. |
| static void | **SwingUtilities.**[**convertPointFromScreen**](http://docs.google.com/javax/swing/SwingUtilities.html#convertPointFromScreen(java.awt.Point,%20java.awt.Component))([Point](http://docs.google.com/java/awt/Point.html) p, [Component](http://docs.google.com/java/awt/Component.html) c)            Convert a point from a screen coordinates to a component's coordinate system |
| static void | **SwingUtilities.**[**convertPointToScreen**](http://docs.google.com/javax/swing/SwingUtilities.html#convertPointToScreen(java.awt.Point,%20java.awt.Component))([Point](http://docs.google.com/java/awt/Point.html) p, [Component](http://docs.google.com/java/awt/Component.html) c)            Convert a point from a component's coordinate system to screen coordinates. |
| static [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **SwingUtilities.**[**convertRectangle**](http://docs.google.com/javax/swing/SwingUtilities.html#convertRectangle(java.awt.Component,%20java.awt.Rectangle,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) source, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) aRectangle, [Component](http://docs.google.com/java/awt/Component.html) destination)            Convert the rectangle aRectangle in source coordinate system to destination coordinate system. |
| protected  [JDialog](http://docs.google.com/javax/swing/JDialog.html) | **JFileChooser.**[**createDialog**](http://docs.google.com/javax/swing/JFileChooser.html#createDialog(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) parent)            Creates and returns a new JDialog wrapping this centered on the parent in the parent's frame. |
| [JDialog](http://docs.google.com/javax/swing/JDialog.html) | **JOptionPane.**[**createDialog**](http://docs.google.com/javax/swing/JOptionPane.html#createDialog(java.awt.Component,%20java.lang.String))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [String](http://docs.google.com/java/lang/String.html) title)            Creates and returns a new JDialog wrapping this centered on the parentComponent in the parentComponent's frame. |
| static [JDialog](http://docs.google.com/javax/swing/JDialog.html) | **JColorChooser.**[**createDialog**](http://docs.google.com/javax/swing/JColorChooser.html#createDialog(java.awt.Component,%20java.lang.String,%20boolean,%20javax.swing.JColorChooser,%20java.awt.event.ActionListener,%20java.awt.event.ActionListener))([Component](http://docs.google.com/java/awt/Component.html) c, [String](http://docs.google.com/java/lang/String.html) title, boolean modal, [JColorChooser](http://docs.google.com/javax/swing/JColorChooser.html) chooserPane, [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) okListener, [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) cancelListener)            Creates and returns a new dialog containing the specified ColorChooser pane along with "OK", "Cancel", and "Reset" buttons. |
| [JInternalFrame](http://docs.google.com/javax/swing/JInternalFrame.html) | **JOptionPane.**[**createInternalFrame**](http://docs.google.com/javax/swing/JOptionPane.html#createInternalFrame(java.awt.Component,%20java.lang.String))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [String](http://docs.google.com/java/lang/String.html) title)            Creates and returns an instance of JInternalFrame. |
| static [RepaintManager](http://docs.google.com/javax/swing/RepaintManager.html) | **RepaintManager.**[**currentManager**](http://docs.google.com/javax/swing/RepaintManager.html#currentManager(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Return the RepaintManager for the calling thread given a Component. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **SwingUtilities.**[**findFocusOwner**](http://docs.google.com/javax/swing/SwingUtilities.html#findFocusOwner(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)  **Deprecated.** *As of 1.4, replaced by KeyboardFocusManager.getFocusOwner().* |
| static [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) | **SwingUtilities.**[**getAccessibleAt**](http://docs.google.com/javax/swing/SwingUtilities.html#getAccessibleAt(java.awt.Component,%20java.awt.Point))([Component](http://docs.google.com/java/awt/Component.html) c, [Point](http://docs.google.com/java/awt/Point.html) p)            Returns the Accessible child contained at the local coordinate Point, if one exists. |
| static [Accessible](http://docs.google.com/javax/accessibility/Accessible.html) | **SwingUtilities.**[**getAccessibleChild**](http://docs.google.com/javax/swing/SwingUtilities.html#getAccessibleChild(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int i)            Return the nth Accessible child of the object. |
| static int | **SwingUtilities.**[**getAccessibleChildrenCount**](http://docs.google.com/javax/swing/SwingUtilities.html#getAccessibleChildrenCount(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the number of accessible children in the object. |
| static int | **SwingUtilities.**[**getAccessibleIndexInParent**](http://docs.google.com/javax/swing/SwingUtilities.html#getAccessibleIndexInParent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Get the index of this object in its accessible parent. |
| static [AccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleStateSet.html) | **SwingUtilities.**[**getAccessibleStateSet**](http://docs.google.com/javax/swing/SwingUtilities.html#getAccessibleStateSet(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Get the state of this object. |
| static [Container](http://docs.google.com/java/awt/Container.html) | **SwingUtilities.**[**getAncestorNamed**](http://docs.google.com/javax/swing/SwingUtilities.html#getAncestorNamed(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)            Convenience method for searching above comp in the component hierarchy and returns the first object of name it finds. |
| static [Container](http://docs.google.com/java/awt/Container.html) | **SwingUtilities.**[**getAncestorOfClass**](http://docs.google.com/javax/swing/SwingUtilities.html#getAncestorOfClass(java.lang.Class,%20java.awt.Component))([Class](http://docs.google.com/java/lang/Class.html)<?> c, [Component](http://docs.google.com/java/awt/Component.html) comp)            Convenience method for searching above comp in the component hierarchy and returns the first object of class c it finds. |
| [Component](http://docs.google.com/java/awt/Component.html) | **SortingFocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **LayoutFocusTraversalPolicy.**[**getComponentAfter**](http://docs.google.com/javax/swing/LayoutFocusTraversalPolicy.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus after aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultFocusManager.**[**getComponentAfter**](http://docs.google.com/javax/swing/DefaultFocusManager.html#getComponentAfter(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent) |
| [Component](http://docs.google.com/java/awt/Component.html) | **SortingFocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **LayoutFocusTraversalPolicy.**[**getComponentBefore**](http://docs.google.com/javax/swing/LayoutFocusTraversalPolicy.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent)            Returns the Component that should receive the focus before aComponent. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultFocusManager.**[**getComponentBefore**](http://docs.google.com/javax/swing/DefaultFocusManager.html#getComponentBefore(java.awt.Container,%20java.awt.Component))([Container](http://docs.google.com/java/awt/Container.html) aContainer, [Component](http://docs.google.com/java/awt/Component.html) aComponent) |
| int | **JToolBar.**[**getComponentIndex**](http://docs.google.com/javax/swing/JToolBar.html#getComponentIndex(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the index of the specified component. |
| int | **JPopupMenu.**[**getComponentIndex**](http://docs.google.com/javax/swing/JPopupMenu.html#getComponentIndex(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the index of the specified component. |
| int | **JMenuBar.**[**getComponentIndex**](http://docs.google.com/javax/swing/JMenuBar.html#getComponentIndex(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the index of the specified component. |
| [Spring](http://docs.google.com/javax/swing/Spring.html) | **SpringLayout.**[**getConstraint**](http://docs.google.com/javax/swing/SpringLayout.html#getConstraint(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) edgeName, [Component](http://docs.google.com/java/awt/Component.html) c)            Returns the spring controlling the distance between the specified edge of the component and the top or left edge of its parent. |
| [SpringLayout.Constraints](http://docs.google.com/javax/swing/SpringLayout.Constraints.html) | **SpringLayout.**[**getConstraints**](http://docs.google.com/javax/swing/SpringLayout.html#getConstraints(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the constraints for the specified component. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **SwingUtilities.**[**getDeepestComponentAt**](http://docs.google.com/javax/swing/SwingUtilities.html#getDeepestComponentAt(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) parent, int x, int y)            Returns the deepest visible descendent Component of parent that contains the location x, y. |
| static [JDesktopPane](http://docs.google.com/javax/swing/JDesktopPane.html) | **JOptionPane.**[**getDesktopPaneForComponent**](http://docs.google.com/javax/swing/JOptionPane.html#getDesktopPaneForComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) parentComponent)            Returns the specified component's desktop pane. |
| static [Frame](http://docs.google.com/java/awt/Frame.html) | **JOptionPane.**[**getFrameForComponent**](http://docs.google.com/javax/swing/JOptionPane.html#getFrameForComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) parentComponent)            Returns the specified component's Frame. |
| int | **JLayeredPane.**[**getIndexOf**](http://docs.google.com/javax/swing/JLayeredPane.html#getIndexOf(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the index of the specified Component. |
| int | **JLayeredPane.**[**getLayer**](http://docs.google.com/javax/swing/JLayeredPane.html#getLayer(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the layer attribute for the specified Component. |
| static [JLayeredPane](http://docs.google.com/javax/swing/JLayeredPane.html) | **JLayeredPane.**[**getLayeredPaneAbove**](http://docs.google.com/javax/swing/JLayeredPane.html#getLayeredPaneAbove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Convenience method that returns the first JLayeredPane which contains the specified component. |
| static [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **SwingUtilities.**[**getLocalBounds**](http://docs.google.com/javax/swing/SwingUtilities.html#getLocalBounds(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)            Return the rectangle (0,0,bounds.width,bounds.height) for the component aComponent |
| [Image](http://docs.google.com/java/awt/Image.html) | **RepaintManager.**[**getOffscreenBuffer**](http://docs.google.com/javax/swing/RepaintManager.html#getOffscreenBuffer(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int proposedWidth, int proposedHeight)            Return the offscreen buffer that should be used as a double buffer with the component c. |
| [Popup](http://docs.google.com/javax/swing/Popup.html) | **PopupFactory.**[**getPopup**](http://docs.google.com/javax/swing/PopupFactory.html#getPopup(java.awt.Component,%20java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) owner, [Component](http://docs.google.com/java/awt/Component.html) contents, int x, int y)            Creates a Popup for the Component owner containing the Component contents. |
| int | **JLayeredPane.**[**getPosition**](http://docs.google.com/javax/swing/JLayeredPane.html#getPosition(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Get the relative position of the component within its layer. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **SwingUtilities.**[**getRoot**](http://docs.google.com/javax/swing/SwingUtilities.html#getRoot(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the root component for the current component tree. |
| static [JRootPane](http://docs.google.com/javax/swing/JRootPane.html) | **SwingUtilities.**[**getRootPane**](http://docs.google.com/javax/swing/SwingUtilities.html#getRootPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            If c is a JRootPane descendant return its JRootPane ancestor. |
| [Image](http://docs.google.com/java/awt/Image.html) | **RepaintManager.**[**getVolatileOffscreenBuffer**](http://docs.google.com/javax/swing/RepaintManager.html#getVolatileOffscreenBuffer(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int proposedWidth, int proposedHeight)            Return a volatile offscreen buffer that should be used as a double buffer with the specified component c. |
| static [Window](http://docs.google.com/java/awt/Window.html) | **SwingUtilities.**[**getWindowAncestor**](http://docs.google.com/javax/swing/SwingUtilities.html#getWindowAncestor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the first Window ancestor of c, or null if c is not contained inside a Window. |
| static [Spring](http://docs.google.com/javax/swing/Spring.html) | **Spring.**[**height**](http://docs.google.com/javax/swing/Spring.html#height(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns a spring whose *minimum*, *preferred*, *maximum* and *value* properties are defined by the heights of the *minimumSize*, *preferredSize*, *maximumSize* and *size* properties of the supplied component. |
| int | **JTabbedPane.**[**indexOfComponent**](http://docs.google.com/javax/swing/JTabbedPane.html#indexOfComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Returns the index of the tab for the specified component. |
| int | **JTabbedPane.**[**indexOfTabComponent**](http://docs.google.com/javax/swing/JTabbedPane.html#indexOfTabComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) tabComponent)            Returns the index of the tab for the specified tab component. |
| void | **JPopupMenu.**[**insert**](http://docs.google.com/javax/swing/JPopupMenu.html#insert(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) component, int index)            Inserts the specified component into the menu at a given position. |
| void | **JTextPane.**[**insertComponent**](http://docs.google.com/javax/swing/JTextPane.html#insertComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Inserts a component into the document as a replacement for the currently selected content. |
| void | **JTabbedPane.**[**insertTab**](http://docs.google.com/javax/swing/JTabbedPane.html#insertTab(java.lang.String,%20javax.swing.Icon,%20java.awt.Component,%20java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) title, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Component](http://docs.google.com/java/awt/Component.html) component, [String](http://docs.google.com/java/lang/String.html) tip, int index)            Inserts a component, at index, represented by a title and/or icon, either of which may be null. |
| boolean | **MenuSelectionManager.**[**isComponentPartOfCurrentMenu**](http://docs.google.com/javax/swing/MenuSelectionManager.html#isComponentPartOfCurrentMenu(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Return true if c is part of the currently used menu |
| static boolean | **SwingUtilities.**[**isDescendingFrom**](http://docs.google.com/javax/swing/SwingUtilities.html#isDescendingFrom(java.awt.Component,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) a, [Component](http://docs.google.com/java/awt/Component.html) b)            Return true if a component a descends from a component b |
| static boolean | **JComponent.**[**isLightweightComponent**](http://docs.google.com/javax/swing/JComponent.html#isLightweightComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns true if this component is lightweight, that is, if it doesn't have a native window system peer. |
| boolean | **JMenu.**[**isMenuComponent**](http://docs.google.com/javax/swing/JMenu.html#isMenuComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns true if the specified component exists in the submenu hierarchy. |
| void | **GroupLayout.**[**linkSize**](http://docs.google.com/javax/swing/GroupLayout.html#linkSize(java.awt.Component...))([Component](http://docs.google.com/java/awt/Component.html)... components)            Forces the specified components to have the same size regardless of their preferred, minimum or maximum sizes. |
| void | **GroupLayout.**[**linkSize**](http://docs.google.com/javax/swing/GroupLayout.html#linkSize(int,%20java.awt.Component...))(int axis, [Component](http://docs.google.com/java/awt/Component.html)... components)            Forces the specified components to have the same size along the specified axis regardless of their preferred, minimum or maximum sizes. |
| void | **JLayeredPane.**[**moveToBack**](http://docs.google.com/javax/swing/JLayeredPane.html#moveToBack(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Moves the component to the bottom of the components in its current layer (position -1). |
| void | **JLayeredPane.**[**moveToFront**](http://docs.google.com/javax/swing/JLayeredPane.html#moveToFront(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Moves the component to the top of the components in its current layer (position 0). |
| void | **CellRendererPane.**[**paintComponent**](http://docs.google.com/javax/swing/CellRendererPane.html#paintComponent(java.awt.Graphics,%20java.awt.Component,%20java.awt.Container,%20int,%20int,%20int,%20int))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Component](http://docs.google.com/java/awt/Component.html) c, [Container](http://docs.google.com/java/awt/Container.html) p, int x, int y, int w, int h)            Calls this.paintComponent(g, c, p, x, y, w, h, false). |
| static void | **SwingUtilities.**[**paintComponent**](http://docs.google.com/javax/swing/SwingUtilities.html#paintComponent(java.awt.Graphics,%20java.awt.Component,%20java.awt.Container,%20int,%20int,%20int,%20int))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Component](http://docs.google.com/java/awt/Component.html) c, [Container](http://docs.google.com/java/awt/Container.html) p, int x, int y, int w, int h)            Paints a component to the specified Graphics. |
| void | **CellRendererPane.**[**paintComponent**](http://docs.google.com/javax/swing/CellRendererPane.html#paintComponent(java.awt.Graphics,%20java.awt.Component,%20java.awt.Container,%20int,%20int,%20int,%20int,%20boolean))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Component](http://docs.google.com/java/awt/Component.html) c, [Container](http://docs.google.com/java/awt/Container.html) p, int x, int y, int w, int h, boolean shouldValidate)            Paint a cell renderer component c on graphics object g. |
| void | **CellRendererPane.**[**paintComponent**](http://docs.google.com/javax/swing/CellRendererPane.html#paintComponent(java.awt.Graphics,%20java.awt.Component,%20java.awt.Container,%20java.awt.Rectangle))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Component](http://docs.google.com/java/awt/Component.html) c, [Container](http://docs.google.com/java/awt/Container.html) p, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) r)            Calls this.paintComponent() with the rectangles x,y,width,height fields. |
| static void | **SwingUtilities.**[**paintComponent**](http://docs.google.com/javax/swing/SwingUtilities.html#paintComponent(java.awt.Graphics,%20java.awt.Component,%20java.awt.Container,%20java.awt.Rectangle))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, [Component](http://docs.google.com/java/awt/Component.html) c, [Container](http://docs.google.com/java/awt/Container.html) p, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) r)            Paints a component to the specified Graphics. |
| void | **ImageIcon.**[**paintIcon**](http://docs.google.com/javax/swing/ImageIcon.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y)            Paints the icon. |
| void | **Icon.**[**paintIcon**](http://docs.google.com/javax/swing/Icon.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y)            Draw the icon at the specified location. |
| void | **LookAndFeel.**[**provideErrorFeedback**](http://docs.google.com/javax/swing/LookAndFeel.html#provideErrorFeedback(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Invoked when the user attempts an invalid operation, such as pasting into an uneditable JTextField that has focus. |
| void | **SpringLayout.**[**putConstraint**](http://docs.google.com/javax/swing/SpringLayout.html#putConstraint(java.lang.String,%20java.awt.Component,%20int,%20java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) e1, [Component](http://docs.google.com/java/awt/Component.html) c1, int pad, [String](http://docs.google.com/java/lang/String.html) e2, [Component](http://docs.google.com/java/awt/Component.html) c2)            Links edge e1 of component c1 to edge e2 of component c2, with a fixed distance between the edges. |
| void | **SpringLayout.**[**putConstraint**](http://docs.google.com/javax/swing/SpringLayout.html#putConstraint(java.lang.String,%20java.awt.Component,%20javax.swing.Spring,%20java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) e1, [Component](http://docs.google.com/java/awt/Component.html) c1, [Spring](http://docs.google.com/javax/swing/Spring.html) s, [String](http://docs.google.com/java/lang/String.html) e2, [Component](http://docs.google.com/java/awt/Component.html) c2)            Links edge e1 of component c1 to edge e2 of component c2. |
| void | **JSplitPane.**[**remove**](http://docs.google.com/javax/swing/JSplitPane.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Removes the child component, component from the pane. |
| void | **JInternalFrame.**[**remove**](http://docs.google.com/javax/swing/JInternalFrame.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the container. |
| void | **JTabbedPane.**[**remove**](http://docs.google.com/javax/swing/JTabbedPane.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Removes the specified Component from the JTabbedPane. |
| void | **JDialog.**[**remove**](http://docs.google.com/javax/swing/JDialog.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the container. |
| void | **JApplet.**[**remove**](http://docs.google.com/javax/swing/JApplet.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the container. |
| void | **JWindow.**[**remove**](http://docs.google.com/javax/swing/JWindow.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the container. |
| void | **JViewport.**[**remove**](http://docs.google.com/javax/swing/JViewport.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) child)            Removes the Viewports one lightweight child. |
| void | **JMenu.**[**remove**](http://docs.google.com/javax/swing/JMenu.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Removes the component c from this menu. |
| void | **JFrame.**[**remove**](http://docs.google.com/javax/swing/JFrame.html#remove(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the container. |
| void | **SpringLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/SpringLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Removes the constraints associated with the specified component. |
| void | **GroupLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/GroupLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Notification that a Component has been removed from the parent container. |
| void | **JSpinner.DefaultEditor.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/JSpinner.DefaultEditor.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) child)            This LayoutManager method does nothing. |
| void | **BoxLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/BoxLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Not used by this class. |
| void | **ViewportLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/ViewportLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Removes the specified component from the layout. |
| void | **ScrollPaneLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Removes the specified component from the layout. |
| void | **OverlayLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/OverlayLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Removes the specified component from the layout. |
| void | **JRootPane.RootLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/JRootPane.RootLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp) |
| void | **GroupLayout.**[**replace**](http://docs.google.com/javax/swing/GroupLayout.html#replace(java.awt.Component,%20java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) existingComponent, [Component](http://docs.google.com/java/awt/Component.html) newComponent)            Replaces an existing component with a new one. |
| void | **JSplitPane.**[**setBottomComponent**](http://docs.google.com/javax/swing/JSplitPane.html#setBottomComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Sets the component below, or to the right of the divider. |
| void | **JScrollPane.**[**setColumnHeaderView**](http://docs.google.com/javax/swing/JScrollPane.html#setColumnHeaderView(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) view)            Creates a column-header viewport if necessary, sets its view, and then adds the column-header viewport to the scrollpane. |
| void | **JTabbedPane.**[**setComponentAt**](http://docs.google.com/javax/swing/JTabbedPane.html#setComponentAt(int,%20java.awt.Component))(int index, [Component](http://docs.google.com/java/awt/Component.html) component)            Sets the component at index to component. |
| void | **JDesktopPane.**[**setComponentZOrder**](http://docs.google.com/javax/swing/JDesktopPane.html#setComponentZOrder(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) comp, int index)            Moves the specified component to the specified z-order index in the container. |
| void | **JScrollPane.**[**setCorner**](http://docs.google.com/javax/swing/JScrollPane.html#setCorner(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) key, [Component](http://docs.google.com/java/awt/Component.html) corner)            Adds a child that will appear in one of the scroll panes corners, if there's room. |
| void | **JInternalFrame.**[**setGlassPane**](http://docs.google.com/javax/swing/JInternalFrame.html#setGlassPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) glass)            Sets this JInternalFrame's glassPane property. |
| void | **JDialog.**[**setGlassPane**](http://docs.google.com/javax/swing/JDialog.html#setGlassPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) glassPane)            Sets the glassPane property. |
| void | **JApplet.**[**setGlassPane**](http://docs.google.com/javax/swing/JApplet.html#setGlassPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) glassPane)            Sets the glassPane property. |
| void | **JWindow.**[**setGlassPane**](http://docs.google.com/javax/swing/JWindow.html#setGlassPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) glassPane)            Sets the glassPane property. |
| void | **JRootPane.**[**setGlassPane**](http://docs.google.com/javax/swing/JRootPane.html#setGlassPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) glass)            Sets a specified Component to be the glass pane for this root pane. |
| void | **JFrame.**[**setGlassPane**](http://docs.google.com/javax/swing/JFrame.html#setGlassPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) glassPane)            Sets the glassPane property. |
| void | **RootPaneContainer.**[**setGlassPane**](http://docs.google.com/javax/swing/RootPaneContainer.html#setGlassPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) glassPane)            The glassPane is always the first child of the rootPane and the rootPanes layout manager ensures that it's always as big as the rootPane. |
| void | **GroupLayout.**[**setHonorsVisibility**](http://docs.google.com/javax/swing/GroupLayout.html#setHonorsVisibility(java.awt.Component,%20java.lang.Boolean))([Component](http://docs.google.com/java/awt/Component.html) component, [Boolean](http://docs.google.com/java/lang/Boolean.html) honorsVisibility)            Sets whether the component's visiblity is considered for sizing and positioning. |
| void | **JPopupMenu.**[**setInvoker**](http://docs.google.com/javax/swing/JPopupMenu.html#setInvoker(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) invoker)            Sets the invoker of this popup menu -- the component in which the popup menu menu is to be displayed. |
| void | **JLabel.**[**setLabelFor**](http://docs.google.com/javax/swing/JLabel.html#setLabelFor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Set the component this is labelling. |
| void | **JLayeredPane.**[**setLayer**](http://docs.google.com/javax/swing/JLayeredPane.html#setLayer(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int layer)            Sets the layer attribute on the specified component, making it the bottommost component in that layer. |
| void | **JLayeredPane.**[**setLayer**](http://docs.google.com/javax/swing/JLayeredPane.html#setLayer(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int layer, int position)            Sets the layer attribute for the specified component and also sets its position within that layer. |
| void | **JSplitPane.**[**setLeftComponent**](http://docs.google.com/javax/swing/JSplitPane.html#setLeftComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Sets the component to the left (or above) the divider. |
| void | **JComponent.**[**setNextFocusableComponent**](http://docs.google.com/javax/swing/JComponent.html#setNextFocusableComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)  **Deprecated.** *As of 1.4, replaced by FocusTraversalPolicy* |
| void | **JLayeredPane.**[**setPosition**](http://docs.google.com/javax/swing/JLayeredPane.html#setPosition(java.awt.Component,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int position)            Moves the component to position within its current layer, where 0 is the topmost position within the layer and -1 is the bottommost position. |
| void | **JSplitPane.**[**setRightComponent**](http://docs.google.com/javax/swing/JSplitPane.html#setRightComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Sets the component to the right (or below) the divider. |
| void | **JScrollPane.**[**setRowHeaderView**](http://docs.google.com/javax/swing/JScrollPane.html#setRowHeaderView(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) view)            Creates a row-header viewport if necessary, sets its view and then adds the row-header viewport to the scrollpane. |
| void | **JPopupMenu.**[**setSelected**](http://docs.google.com/javax/swing/JPopupMenu.html#setSelected(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) sel)            Sets the currently selected component, This will result in a change to the selection model. |
| void | **JMenuBar.**[**setSelected**](http://docs.google.com/javax/swing/JMenuBar.html#setSelected(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) sel)            Sets the currently selected component, producing a a change to the selection model. |
| void | **JTabbedPane.**[**setSelectedComponent**](http://docs.google.com/javax/swing/JTabbedPane.html#setSelectedComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Sets the selected component for this tabbedpane. |
| void | **JTabbedPane.**[**setTabComponentAt**](http://docs.google.com/javax/swing/JTabbedPane.html#setTabComponentAt(int,%20java.awt.Component))(int index, [Component](http://docs.google.com/java/awt/Component.html) component)            Sets the component that is responsible for rendering the title for the specified tab. |
| void | **JSplitPane.**[**setTopComponent**](http://docs.google.com/javax/swing/JSplitPane.html#setTopComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Sets the component above, or to the left of the divider. |
| void | **JViewport.**[**setView**](http://docs.google.com/javax/swing/JViewport.html#setView(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) view)            Sets the JViewport's one lightweight child (view), which can be null. |
| void | **JScrollPane.**[**setViewportView**](http://docs.google.com/javax/swing/JScrollPane.html#setViewportView(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) view)            Creates a viewport if necessary and then sets its view. |
| void | **JPopupMenu.**[**show**](http://docs.google.com/javax/swing/JPopupMenu.html#show(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) invoker, int x, int y)            Displays the popup menu at the position x,y in the coordinate space of the component invoker. |
| static int | **JOptionPane.**[**showConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showConfirmDialog(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message)            Brings up a dialog with the options *Yes*, *No* and *Cancel*; with the title, **Select an Option**. |
| static int | **JOptionPane.**[**showConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType)            Brings up a dialog where the number of choices is determined by the optionType parameter. |
| static int | **JOptionPane.**[**showConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType)            Brings up a dialog where the number of choices is determined by the optionType parameter, where the messageType parameter determines the icon to display. |
| static int | **JOptionPane.**[**showConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up a dialog with a specified icon, where the number of choices is determined by the optionType parameter. |
| int | **JFileChooser.**[**showDialog**](http://docs.google.com/javax/swing/JFileChooser.html#showDialog(java.awt.Component,%20java.lang.String))([Component](http://docs.google.com/java/awt/Component.html) parent, [String](http://docs.google.com/java/lang/String.html) approveButtonText)            Pops a custom file chooser dialog with a custom approve button. |
| static [Color](http://docs.google.com/java/awt/Color.html) | **JColorChooser.**[**showDialog**](http://docs.google.com/javax/swing/JColorChooser.html#showDialog(java.awt.Component,%20java.lang.String,%20java.awt.Color))([Component](http://docs.google.com/java/awt/Component.html) component, [String](http://docs.google.com/java/lang/String.html) title, [Color](http://docs.google.com/java/awt/Color.html) initialColor)            Shows a modal color-chooser dialog and blocks until the dialog is hidden. |
| static [String](http://docs.google.com/java/lang/String.html) | **JOptionPane.**[**showInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInputDialog(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message)            Shows a question-message dialog requesting input from the user parented to parentComponent. |
| static [String](http://docs.google.com/java/lang/String.html) | **JOptionPane.**[**showInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInputDialog(java.awt.Component,%20java.lang.Object,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [Object](http://docs.google.com/java/lang/Object.html) initialSelectionValue)            Shows a question-message dialog requesting input from the user and parented to parentComponent. |
| static [String](http://docs.google.com/java/lang/String.html) | **JOptionPane.**[**showInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInputDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType)            Shows a dialog requesting input from the user parented to parentComponent with the dialog having the title title and message type messageType. |
| static [Object](http://docs.google.com/java/lang/Object.html) | **JOptionPane.**[**showInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInputDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] selectionValues, [Object](http://docs.google.com/java/lang/Object.html) initialSelectionValue)            Prompts the user for input in a blocking dialog where the initial selection, possible selections, and all other options can be specified. |
| static int | **JOptionPane.**[**showInternalConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalConfirmDialog(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message)            Brings up an internal dialog panel with the options *Yes*, *No* and *Cancel*; with the title, **Select an Option**. |
| static int | **JOptionPane.**[**showInternalConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType)            Brings up a internal dialog panel where the number of choices is determined by the optionType parameter. |
| static int | **JOptionPane.**[**showInternalConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType)            Brings up an internal dialog panel where the number of choices is determined by the optionType parameter, where the messageType parameter determines the icon to display. |
| static int | **JOptionPane.**[**showInternalConfirmDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalConfirmDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up an internal dialog panel with a specified icon, where the number of choices is determined by the optionType parameter. |
| static [String](http://docs.google.com/java/lang/String.html) | **JOptionPane.**[**showInternalInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalInputDialog(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message)            Shows an internal question-message dialog requesting input from the user parented to parentComponent. |
| static [String](http://docs.google.com/java/lang/String.html) | **JOptionPane.**[**showInternalInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalInputDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType)            Shows an internal dialog requesting input from the user parented to parentComponent with the dialog having the title title and message type messageType. |
| static [Object](http://docs.google.com/java/lang/Object.html) | **JOptionPane.**[**showInternalInputDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalInputDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] selectionValues, [Object](http://docs.google.com/java/lang/Object.html) initialSelectionValue)            Prompts the user for input in a blocking internal dialog where the initial selection, possible selections, and all other options can be specified. |
| static void | **JOptionPane.**[**showInternalMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalMessageDialog(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message)            Brings up an internal confirmation dialog panel. |
| static void | **JOptionPane.**[**showInternalMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalMessageDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType)            Brings up an internal dialog panel that displays a message using a default icon determined by the messageType parameter. |
| static void | **JOptionPane.**[**showInternalMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalMessageDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up an internal dialog panel displaying a message, specifying all parameters. |
| static int | **JOptionPane.**[**showInternalOptionDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showInternalOptionDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] options, [Object](http://docs.google.com/java/lang/Object.html) initialValue)            Brings up an internal dialog panel with a specified icon, where the initial choice is determined by the initialValue parameter and the number of choices is determined by the optionType parameter. |
| static void | **JOptionPane.**[**showMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showMessageDialog(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message)            Brings up an information-message dialog titled "Message". |
| static void | **JOptionPane.**[**showMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showMessageDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType)            Brings up a dialog that displays a message using a default icon determined by the messageType parameter. |
| static void | **JOptionPane.**[**showMessageDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showMessageDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20javax.swing.Icon))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon)            Brings up a dialog displaying a message, specifying all parameters. |
| int | **JFileChooser.**[**showOpenDialog**](http://docs.google.com/javax/swing/JFileChooser.html#showOpenDialog(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) parent)            Pops up an "Open File" file chooser dialog. |
| static int | **JOptionPane.**[**showOptionDialog**](http://docs.google.com/javax/swing/JOptionPane.html#showOptionDialog(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int,%20javax.swing.Icon,%20java.lang.Object%5B%5D,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) title, int optionType, int messageType, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, [Object](http://docs.google.com/java/lang/Object.html)[] options, [Object](http://docs.google.com/java/lang/Object.html) initialValue)            Brings up a dialog with a specified icon, where the initial choice is determined by the initialValue parameter and the number of choices is determined by the optionType parameter. |
| int | **JFileChooser.**[**showSaveDialog**](http://docs.google.com/javax/swing/JFileChooser.html#showSaveDialog(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) parent)            Pops up a "Save File" file chooser dialog. |
| static void | **SwingUtilities.**[**updateComponentTreeUI**](http://docs.google.com/javax/swing/SwingUtilities.html#updateComponentTreeUI(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            A simple minded look and feel change: ask each node in the tree to updateUI() -- that is, to initialize its UI property with the current look and feel. |
| static [Spring](http://docs.google.com/javax/swing/Spring.html) | **Spring.**[**width**](http://docs.google.com/javax/swing/Spring.html#width(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns a spring whose *minimum*, *preferred*, *maximum* and *value* properties are defined by the widths of the *minimumSize*, *preferredSize*, *maximumSize* and *size* properties of the supplied component. |
| static [Window](http://docs.google.com/java/awt/Window.html) | **SwingUtilities.**[**windowForComponent**](http://docs.google.com/javax/swing/SwingUtilities.html#windowForComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the first Window ancestor of c, or null if c is not contained inside a Window. |

| Method parameters in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with type arguments of type [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  void | **SortingFocusTraversalPolicy.**[**setComparator**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#setComparator(java.util.Comparator))([Comparator](http://docs.google.com/java/util/Comparator.html)<? super [Component](http://docs.google.com/java/awt/Component.html)> comparator)            Sets the Comparator which will be used to sort the Components in a focus traversal cycle. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [**JScrollPane**](http://docs.google.com/javax/swing/JScrollPane.html#JScrollPane(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) view)            Creates a JScrollPane that displays the contents of the specified component, where both horizontal and vertical scrollbars appear whenever the component's contents are larger than the view. |
| [**JScrollPane**](http://docs.google.com/javax/swing/JScrollPane.html#JScrollPane(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) view, int vsbPolicy, int hsbPolicy)            Creates a JScrollPane that displays the view component in a viewport whose view position can be controlled with a pair of scrollbars. |
| [**JSplitPane**](http://docs.google.com/javax/swing/JSplitPane.html#JSplitPane(int,%20boolean,%20java.awt.Component,%20java.awt.Component))(int newOrientation, boolean newContinuousLayout, [Component](http://docs.google.com/java/awt/Component.html) newLeftComponent, [Component](http://docs.google.com/java/awt/Component.html) newRightComponent)            Creates a new JSplitPane with the specified orientation and redrawing style, and with the specified components. |
| [**JSplitPane**](http://docs.google.com/javax/swing/JSplitPane.html#JSplitPane(int,%20java.awt.Component,%20java.awt.Component))(int newOrientation, [Component](http://docs.google.com/java/awt/Component.html) newLeftComponent, [Component](http://docs.google.com/java/awt/Component.html) newRightComponent)            Creates a new JSplitPane with the specified orientation and with the specified components that do not do continuous redrawing. |
| [**Popup**](http://docs.google.com/javax/swing/Popup.html#Popup(java.awt.Component,%20java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) owner, [Component](http://docs.google.com/java/awt/Component.html) contents, int x, int y)            Creates a Popup for the Component owner containing the Component contents. |
| [**ProgressMonitor**](http://docs.google.com/javax/swing/ProgressMonitor.html#ProgressMonitor(java.awt.Component,%20java.lang.Object,%20java.lang.String,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [String](http://docs.google.com/java/lang/String.html) note, int min, int max)            Constructs a graphic object that shows progress, typically by filling in a rectangular bar as the process nears completion. |
| [**ProgressMonitorInputStream**](http://docs.google.com/javax/swing/ProgressMonitorInputStream.html#ProgressMonitorInputStream(java.awt.Component,%20java.lang.Object,%20java.io.InputStream))([Component](http://docs.google.com/java/awt/Component.html) parentComponent, [Object](http://docs.google.com/java/lang/Object.html) message, [InputStream](http://docs.google.com/java/io/InputStream.html) in)            Constructs an object to monitor the progress of an input stream. |
| [**SpringLayout.Constraints**](http://docs.google.com/javax/swing/SpringLayout.Constraints.html#SpringLayout.Constraints(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Creates a Constraints object with suitable x, y, width and height springs for component, c. |
| [**TransferHandler.TransferSupport**](http://docs.google.com/javax/swing/TransferHandler.TransferSupport.html#TransferHandler.TransferSupport(java.awt.Component,%20java.awt.datatransfer.Transferable))([Component](http://docs.google.com/java/awt/Component.html) component, [Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable)            Create a TransferSupport with isDrop() false for the given component and Transferable. |

| Constructor parameters in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with type arguments of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [**SortingFocusTraversalPolicy**](http://docs.google.com/javax/swing/SortingFocusTraversalPolicy.html#SortingFocusTraversalPolicy(java.util.Comparator))([Comparator](http://docs.google.com/java/util/Comparator.html)<? super [Component](http://docs.google.com/java/awt/Component.html)> comparator)            Constructs a SortingFocusTraversalPolicy with the specified Comparator. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) | |
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| Methods in [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| int | **TitledBorder.**[**getBaseline**](http://docs.google.com/javax/swing/border/TitledBorder.html#getBaseline(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int width, int height)            Returns the baseline. |
| int | **AbstractBorder.**[**getBaseline**](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBaseline(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int width, int height)            Returns the baseline. |
| [Component.BaselineResizeBehavior](http://docs.google.com/java/awt/Component.BaselineResizeBehavior.html) | **TitledBorder.**[**getBaselineResizeBehavior**](http://docs.google.com/javax/swing/border/TitledBorder.html#getBaselineResizeBehavior(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns an enum indicating how the baseline of the border changes as the size changes. |
| [Component.BaselineResizeBehavior](http://docs.google.com/java/awt/Component.BaselineResizeBehavior.html) | **AbstractBorder.**[**getBaselineResizeBehavior**](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBaselineResizeBehavior(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns an enum indicating how the baseline of a component changes as the size changes. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **SoftBevelBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/SoftBevelBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MatteBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/MatteBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **EtchedBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/EtchedBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BevelBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/BevelBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **LineBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/LineBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **EmptyBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/EmptyBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **CompoundBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/CompoundBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the composite border by adding the insets of the outside border to the insets of the inside border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **TitledBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/TitledBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **AbstractBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            This default implementation returns a new Insets instance where the top, left, bottom, and right fields are set to 0. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **Border.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/Border.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the insets of the border. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **SoftBevelBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/SoftBevelBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MatteBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/MatteBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **EtchedBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/EtchedBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BevelBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/BevelBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **LineBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/LineBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **EmptyBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/EmptyBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **CompoundBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/CompoundBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **TitledBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/TitledBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitialize the insets parameter with this Border's current Insets. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **AbstractBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/border/AbstractBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets)            Reinitializes the insets parameter with this Border's current Insets. |
| protected  [Font](http://docs.google.com/java/awt/Font.html) | **TitledBorder.**[**getFont**](http://docs.google.com/javax/swing/border/TitledBorder.html#getFont(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Color](http://docs.google.com/java/awt/Color.html) | **EtchedBorder.**[**getHighlightColor**](http://docs.google.com/javax/swing/border/EtchedBorder.html#getHighlightColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the highlight color of the etched border when rendered on the specified component. |
| [Color](http://docs.google.com/java/awt/Color.html) | **BevelBorder.**[**getHighlightInnerColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getHighlightInnerColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the inner highlight color of the bevel border when rendered on the specified component. |
| [Color](http://docs.google.com/java/awt/Color.html) | **BevelBorder.**[**getHighlightOuterColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getHighlightOuterColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the outer highlight color of the bevel border when rendered on the specified component. |
| static [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **AbstractBorder.**[**getInteriorRectangle**](http://docs.google.com/javax/swing/border/AbstractBorder.html#getInteriorRectangle(java.awt.Component,%20javax.swing.border.Border,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Border](http://docs.google.com/javax/swing/border/Border.html) b, int x, int y, int width, int height)            Returns a rectangle using the arguments minus the insets of the border. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **AbstractBorder.**[**getInteriorRectangle**](http://docs.google.com/javax/swing/border/AbstractBorder.html#getInteriorRectangle(java.awt.Component,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, int x, int y, int width, int height)            This convenience method calls the static method. |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TitledBorder.**[**getMinimumSize**](http://docs.google.com/javax/swing/border/TitledBorder.html#getMinimumSize(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the minimum dimensions this border requires in order to fully display the border and title. |
| [Color](http://docs.google.com/java/awt/Color.html) | **EtchedBorder.**[**getShadowColor**](http://docs.google.com/javax/swing/border/EtchedBorder.html#getShadowColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the shadow color of the etched border when rendered on the specified component. |
| [Color](http://docs.google.com/java/awt/Color.html) | **BevelBorder.**[**getShadowInnerColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getShadowInnerColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the inner shadow color of the bevel border when rendered on the specified component. |
| [Color](http://docs.google.com/java/awt/Color.html) | **BevelBorder.**[**getShadowOuterColor**](http://docs.google.com/javax/swing/border/BevelBorder.html#getShadowOuterColor(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the outer shadow color of the bevel border when rendered on the specified component. |
| void | **SoftBevelBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/SoftBevelBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the border for the specified component with the specified position and size. |
| void | **MatteBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/MatteBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the matte border. |
| void | **EtchedBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/EtchedBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the border for the specified component with the specified position and size. |
| void | **BevelBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/BevelBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the border for the specified component with the specified position and size. |
| void | **LineBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/LineBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the border for the specified component with the specified position and size. |
| void | **EmptyBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/EmptyBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Does no drawing by default. |
| void | **CompoundBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/CompoundBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the compound border by painting the outside border with the specified position and size and then painting the inside border at the specified position and size offset by the insets of the outside border. |
| void | **TitledBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/TitledBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the border for the specified component with the specified position and size. |
| void | **AbstractBorder.**[**paintBorder**](http://docs.google.com/javax/swing/border/AbstractBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            This default implementation does no painting. |
| void | **Border.**[**paintBorder**](http://docs.google.com/javax/swing/border/Border.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height)            Paints the border for the specified component with the specified position and size. |
| protected  void | **BevelBorder.**[**paintLoweredBevel**](http://docs.google.com/javax/swing/border/BevelBorder.html#paintLoweredBevel(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| protected  void | **BevelBorder.**[**paintRaisedBevel**](http://docs.google.com/javax/swing/border/BevelBorder.html#paintRaisedBevel(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.colorchooser](http://docs.google.com/javax/swing/colorchooser/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.colorchooser](http://docs.google.com/javax/swing/colorchooser/package-summary.html) | |
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| class | [**AbstractColorChooserPanel**](http://docs.google.com/javax/swing/colorchooser/AbstractColorChooserPanel.html)            This is the abstract superclass for color choosers. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
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| Constructors in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [**MenuDragMouseEvent**](http://docs.google.com/javax/swing/event/MenuDragMouseEvent.html#MenuDragMouseEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20boolean,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int clickCount, boolean popupTrigger, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] p, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) m)            Constructs a MenuDragMouseEvent object. |
| [**MenuDragMouseEvent**](http://docs.google.com/javax/swing/event/MenuDragMouseEvent.html#MenuDragMouseEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int xAbs, int yAbs, int clickCount, boolean popupTrigger, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] p, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) m)            Constructs a MenuDragMouseEvent object. |
| [**MenuKeyEvent**](http://docs.google.com/javax/swing/event/MenuKeyEvent.html#MenuKeyEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20char,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int keyCode, char keyChar, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] p, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) m)            Constructs a MenuKeyEvent object. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) | |
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| Methods in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [Insets](http://docs.google.com/java/awt/Insets.html) | **BorderUIResource.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/BorderUIResource.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| void | **BorderUIResource.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/BorderUIResource.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| void | **IconUIResource.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/IconUIResource.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
| --- | --- |
| class | [**BasicArrowButton**](http://docs.google.com/javax/swing/plaf/basic/BasicArrowButton.html)            JButton object that draws a scaled Arrow in one of the cardinal directions. |
| class | [**BasicComboBoxRenderer**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxRenderer.html)            ComboBox renderer |
| static class | [**BasicComboBoxRenderer.UIResource**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxRenderer.UIResource.html)            A subclass of BasicComboBoxRenderer that implements UIResource. |
| class | [**BasicComboPopup**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html)            This is a basic implementation of the ComboPopup interface. |
| class | [**BasicInternalFrameTitlePane**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.html)            The class that manages a basic title bar |
| class | [**BasicInternalFrameTitlePane.SystemMenuBar**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.SystemMenuBar.html)            This class should be treated as a "protected" inner class. |
| class | [**BasicSplitPaneDivider**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneDivider.html)            Divider used by BasicSplitPaneUI. |
| protected  class | [**BasicToolBarUI.DragWindow**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.DragWindow.html) |

| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) declared as [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  [Component](http://docs.google.com/java/awt/Component.html)[] | **BasicSplitPaneUI.BasicHorizontalLayoutManager.**[**components**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.BasicHorizontalLayoutManager.html#components) |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicTreeUI.MouseInputHandler.**[**destination**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.MouseInputHandler.html#destination)            Destination that receives all events. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicTreeUI.**[**editingComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#editingComponent)            When editing, this will be the Component that is doing the actual editing. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicComboBoxUI.**[**editor**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxUI.html#editor) |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicSplitPaneDivider.**[**hiddenDivider**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneDivider.html#hiddenDivider)            Divider that is used for noncontinuous layout mode. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicOptionPaneUI.**[**initialFocusComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.html#initialFocusComponent)            Component to receive focus when messaged with selectInitialValue. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicSplitPaneUI.**[**nonContinuousLayoutDivider**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#nonContinuousLayoutDivider)            Instance for the shadow of the divider when non continuous layout is being used. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicTreeUI.MouseInputHandler.**[**source**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.MouseInputHandler.html#source)            Source that events are coming from. |
| [Component](http://docs.google.com/java/awt/Component.html) | **BasicMenuUI.ChangeHandler.**[**wasFocused**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.ChangeHandler.html#wasFocused) |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicSplitPaneUI.**[**createDefaultNonContinuousLayoutDivider**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#createDefaultNonContinuousLayoutDivider())()            Returns the default non continuous layout divider, which is an instanceof Canvas that fills the background in dark gray. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicSpinnerUI.**[**createNextButton**](http://docs.google.com/javax/swing/plaf/basic/BasicSpinnerUI.html#createNextButton())()            Create a component that will replace the spinner models value with the object returned by spinner.getNextValue. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicSpinnerUI.**[**createPreviousButton**](http://docs.google.com/javax/swing/plaf/basic/BasicSpinnerUI.html#createPreviousButton())()            Create a component that will replace the spinner models value with the object returned by spinner.getPreviousValue. |
| [Component](http://docs.google.com/java/awt/Component.html) | **BasicComboBoxEditor.**[**getEditorComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxEditor.html#getEditorComponent())() |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicSliderUI.**[**getHighestValueLabel**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.html#getHighestValueLabel())()            Returns the label that corresponds to the lowest slider value in the label table. |
| [Component](http://docs.google.com/java/awt/Component.html) | **BasicComboBoxRenderer.**[**getListCellRendererComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxRenderer.html#getListCellRendererComponent(javax.swing.JList,%20java.lang.Object,%20int,%20boolean,%20boolean))([JList](http://docs.google.com/javax/swing/JList.html) list, [Object](http://docs.google.com/java/lang/Object.html) value, int index, boolean isSelected, boolean cellHasFocus) |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicSliderUI.**[**getLowestValueLabel**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.html#getLowestValueLabel())()            Returns the label that corresponds to the highest slider value in the label table. |
| [Component](http://docs.google.com/java/awt/Component.html) | **BasicSplitPaneUI.**[**getNonContinuousLayoutDivider**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#getNonContinuousLayoutDivider())()            Returns the divider to use when the splitPane is configured to not continuously layout. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **BasicTabbedPaneUI.**[**getVisibleComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#getVisibleComponent())() |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| void | **BasicSplitPaneUI.BasicHorizontalLayoutManager.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.BasicHorizontalLayoutManager.html#addLayoutComponent(java.awt.Component,%20java.lang.Object))([Component](http://docs.google.com/java/awt/Component.html) comp, [Object](http://docs.google.com/java/lang/Object.html) constraints)            Adds the specified component to the layout, using the specified constraint object. |
| void | **BasicTabbedPaneUI.TabbedPaneLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.TabbedPaneLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp) |
| void | **BasicScrollBarUI.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollBarUI.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) child) |
| void | **BasicOptionPaneUI.ButtonAreaLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.ButtonAreaLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) string, [Component](http://docs.google.com/java/awt/Component.html) comp) |
| void | **BasicInternalFrameTitlePane.TitlePaneLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.TitlePaneLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) c) |
| void | **BasicInternalFrameUI.InternalFrameLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.InternalFrameLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) c) |
| void | **BasicSplitPaneUI.BasicHorizontalLayoutManager.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.BasicHorizontalLayoutManager.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) place, [Component](http://docs.google.com/java/awt/Component.html) component)            Adds the component at place. |
| void | **BasicComboBoxUI.ComboBoxLayoutManager.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxUI.ComboBoxLayoutManager.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp) |
| void | **BasicSplitPaneDivider.DividerLayout.**[**addLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneDivider.DividerLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) string, [Component](http://docs.google.com/java/awt/Component.html) c) |
| boolean | **BasicToolBarUI.**[**canDock**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#canDock(java.awt.Component,%20java.awt.Point))([Component](http://docs.google.com/java/awt/Component.html) c, [Point](http://docs.google.com/java/awt/Point.html) p) |
| protected  void | **BasicTreeUI.**[**drawCentered**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.html#drawCentered(java.awt.Component,%20java.awt.Graphics,%20javax.swing.Icon,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) graphics, [Icon](http://docs.google.com/javax/swing/Icon.html) icon, int x, int y) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.ButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ButtonBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.ToggleButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ToggleButtonBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.RadioButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.RadioButtonBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.MenuBarBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.MenuBarBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.MarginBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.MarginBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.FieldBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.FieldBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.SplitPaneBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.SplitPaneBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.ButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ButtonBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.ToggleButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ToggleButtonBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.RadioButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.RadioButtonBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.MenuBarBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.MenuBarBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.MarginBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.MarginBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **BasicBorders.FieldBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.FieldBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) insets) |
| protected  int | **BasicSplitPaneUI.BasicHorizontalLayoutManager.**[**getPreferredSizeOfComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.BasicHorizontalLayoutManager.html#getPreferredSizeOfComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the width of the passed in Components preferred size. |
| protected  int | **BasicSplitPaneUI.BasicHorizontalLayoutManager.**[**getSizeOfComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.BasicHorizontalLayoutManager.html#getSizeOfComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Returns the width of the passed in component. |
| protected  void | **BasicSpinnerUI.**[**installNextButtonListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicSpinnerUI.html#installNextButtonListeners(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Installs the necessary listeners on the next button, c, to update the JSpinner in response to a user gesture. |
| protected  void | **BasicSpinnerUI.**[**installPreviousButtonListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicSpinnerUI.html#installPreviousButtonListeners(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Installs the necessary listeners on the previous button, c, to update the JSpinner in response to a user gesture. |
| void | **BasicBorders.RolloverButtonBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.RolloverButtonBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **BasicBorders.ButtonBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ButtonBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| void | **BasicBorders.ToggleButtonBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.ToggleButtonBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| void | **BasicBorders.RadioButtonBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.RadioButtonBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| void | **BasicBorders.MenuBarBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.MenuBarBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| void | **BasicBorders.FieldBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.FieldBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| void | **BasicBorders.SplitPaneBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/basic/BasicBorders.SplitPaneBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int width, int height) |
| protected  void | **BasicSliderUI.**[**paintHorizontalLabel**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.html#paintHorizontalLabel(java.awt.Graphics,%20int,%20java.awt.Component))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int value, [Component](http://docs.google.com/java/awt/Component.html) label)            Called for every label in the label table. |
| protected  void | **BasicSliderUI.**[**paintVerticalLabel**](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.html#paintVerticalLabel(java.awt.Graphics,%20int,%20java.awt.Component))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int value, [Component](http://docs.google.com/java/awt/Component.html) label)            Called for every label in the label table. |
| void | **BasicTabbedPaneUI.TabbedPaneLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.TabbedPaneLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp) |
| void | **BasicScrollBarUI.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicScrollBarUI.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) child) |
| void | **BasicOptionPaneUI.ButtonAreaLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.ButtonAreaLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| void | **BasicInternalFrameTitlePane.TitlePaneLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.TitlePaneLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| void | **BasicInternalFrameUI.InternalFrameLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.InternalFrameLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| void | **BasicSplitPaneUI.BasicHorizontalLayoutManager.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.BasicHorizontalLayoutManager.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Removes the specified component from our knowledge. |
| void | **BasicComboBoxUI.ComboBoxLayoutManager.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxUI.ComboBoxLayoutManager.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp) |
| void | **BasicSplitPaneDivider.DividerLayout.**[**removeLayoutComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneDivider.DividerLayout.html#removeLayoutComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| protected  void | **BasicToolBarUI.**[**setBorderToNonRollover**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#setBorderToNonRollover(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Sets the border of the component to have a non-rollover border which was created by createNonRolloverBorder. |
| protected  void | **BasicToolBarUI.**[**setBorderToNormal**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#setBorderToNormal(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Sets the border of the component to have a normal border. |
| protected  void | **BasicToolBarUI.**[**setBorderToRollover**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#setBorderToRollover(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Sets the border of the component to have a rollover border which was created by createRolloverBorder. |
| protected  void | **BasicSplitPaneUI.BasicHorizontalLayoutManager.**[**setComponentToSize**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.BasicHorizontalLayoutManager.html#setComponentToSize(java.awt.Component,%20int,%20int,%20java.awt.Insets,%20java.awt.Dimension))([Component](http://docs.google.com/java/awt/Component.html) c, int size, int location, [Insets](http://docs.google.com/java/awt/Insets.html) insets, [Dimension](http://docs.google.com/java/awt/Dimension.html) containerSize)            Sets the width of the component c to be size, placing its x location at location, y to the insets.top and height to the containersize.height less the top and bottom insets. |
| protected  void | **BasicSplitPaneUI.**[**setNonContinuousLayoutDivider**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#setNonContinuousLayoutDivider(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) newDivider)            Sets the divider to use when the splitPane is configured to not continuously layout. |
| protected  void | **BasicSplitPaneUI.**[**setNonContinuousLayoutDivider**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#setNonContinuousLayoutDivider(java.awt.Component,%20boolean))([Component](http://docs.google.com/java/awt/Component.html) newDivider, boolean rememberSizes)            Sets the divider to use. |
| protected  void | **BasicTabbedPaneUI.**[**setVisibleComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#setVisibleComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component) |

| Constructors in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| [**BasicTreeUI.MouseInputHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.MouseInputHandler.html#BasicTreeUI.MouseInputHandler(java.awt.Component,%20java.awt.Component,%20java.awt.event.MouseEvent))([Component](http://docs.google.com/java/awt/Component.html) source, [Component](http://docs.google.com/java/awt/Component.html) destination, [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) event) |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
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| class | [**MetalComboBoxButton**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxButton.html)            JButton subclass to help out MetalComboBoxUI |
| class | [**MetalComboBoxUI.MetalComboPopup**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxUI.MetalComboPopup.html)  **Deprecated.** *As of Java 2 platform v1.4.* |
| protected  class | [**MetalFileChooserUI.FileRenderer**](http://docs.google.com/javax/swing/plaf/metal/MetalFileChooserUI.FileRenderer.html) |
| class | [**MetalFileChooserUI.FilterComboBoxRenderer**](http://docs.google.com/javax/swing/plaf/metal/MetalFileChooserUI.FilterComboBoxRenderer.html)            Render different type sizes and styles. |
| class | [**MetalInternalFrameTitlePane**](http://docs.google.com/javax/swing/plaf/metal/MetalInternalFrameTitlePane.html)            Class that manages a JLF title bar |
| class | [**MetalScrollButton**](http://docs.google.com/javax/swing/plaf/metal/MetalScrollButton.html)            JButton object for Metal scrollbar arrows. |

| Methods in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| [Component](http://docs.google.com/java/awt/Component.html) | **MetalFileChooserUI.FilterComboBoxRenderer.**[**getListCellRendererComponent**](http://docs.google.com/javax/swing/plaf/metal/MetalFileChooserUI.FilterComboBoxRenderer.html#getListCellRendererComponent(javax.swing.JList,%20java.lang.Object,%20int,%20boolean,%20boolean))([JList](http://docs.google.com/javax/swing/JList.html) list, [Object](http://docs.google.com/java/lang/Object.html) value, int index, boolean isSelected, boolean cellHasFocus) |

| Methods in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| protected  void | **MetalCheckBoxIcon.**[**drawCheck**](http://docs.google.com/javax/swing/plaf/metal/MetalCheckBoxIcon.html#drawCheck(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.Flush3DBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.Flush3DBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.ButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ButtonBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.InternalFrameBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.InternalFrameBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.PaletteBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PaletteBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.OptionDialogBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.OptionDialogBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.MenuBarBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuBarBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.MenuItemBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuItemBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.PopupMenuBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PopupMenuBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.ToolBarBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ToolBarBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.ScrollPaneBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ScrollPaneBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.TableHeaderBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.TableHeaderBorder.html#getBorderInsets(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.Flush3DBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.Flush3DBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.ButtonBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ButtonBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.InternalFrameBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.InternalFrameBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.PaletteBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PaletteBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.OptionDialogBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.OptionDialogBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.MenuBarBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuBarBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.MenuItemBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuItemBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.PopupMenuBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PopupMenuBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **MetalBorders.ToolBarBorder.**[**getBorderInsets**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ToolBarBorder.html#getBorderInsets(java.awt.Component,%20java.awt.Insets))([Component](http://docs.google.com/java/awt/Component.html) c, [Insets](http://docs.google.com/java/awt/Insets.html) newInsets) |
| void | **MetalBorders.Flush3DBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.Flush3DBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.ButtonBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ButtonBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.InternalFrameBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.InternalFrameBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.PaletteBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PaletteBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.OptionDialogBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.OptionDialogBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.MenuBarBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuBarBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.MenuItemBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.MenuItemBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.PopupMenuBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.PopupMenuBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.RolloverButtonBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.RolloverButtonBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.ToolBarBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ToolBarBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.TextFieldBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.TextFieldBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.ScrollPaneBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ScrollPaneBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.ToggleButtonBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.ToggleButtonBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalBorders.TableHeaderBorder.**[**paintBorder**](http://docs.google.com/javax/swing/plaf/metal/MetalBorders.TableHeaderBorder.html#paintBorder(java.awt.Component,%20java.awt.Graphics,%20int,%20int,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y, int w, int h) |
| void | **MetalComboBoxIcon.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxIcon.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y)            Paints the horizontal bars for the |
| void | **MetalCheckBoxIcon.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalCheckBoxIcon.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |
| void | **MetalIconFactory.PaletteCloseIcon.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.PaletteCloseIcon.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |
| void | **MetalIconFactory.FolderIcon16.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FolderIcon16.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |
| void | **MetalIconFactory.FileIcon16.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.FileIcon16.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |
| void | **MetalIconFactory.TreeControlIcon.**[**paintIcon**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeControlIcon.html#paintIcon(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |
| void | **MetalIconFactory.TreeControlIcon.**[**paintMe**](http://docs.google.com/javax/swing/plaf/metal/MetalIconFactory.TreeControlIcon.html#paintMe(java.awt.Component,%20java.awt.Graphics,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) c, [Graphics](http://docs.google.com/java/awt/Graphics.html) g, int x, int y) |
| void | **MetalLookAndFeel.**[**provideErrorFeedback**](http://docs.google.com/javax/swing/plaf/metal/MetalLookAndFeel.html#provideErrorFeedback(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) component)            Invoked when the user attempts an invalid operation, such as pasting into an uneditable JTextField that has focus. |
| protected  void | **MetalToolBarUI.**[**setBorderToNonRollover**](http://docs.google.com/javax/swing/plaf/metal/MetalToolBarUI.html#setBorderToNonRollover(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c) |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.plaf.synth](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) | |
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| Methods in [javax.swing.plaf.synth](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| static void | **SynthLookAndFeel.**[**updateStyles**](http://docs.google.com/javax/swing/plaf/synth/SynthLookAndFeel.html#updateStyles(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)            Updates the style associated with c, and all its children. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) | |
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| class | [**DefaultTableCellRenderer**](http://docs.google.com/javax/swing/table/DefaultTableCellRenderer.html)            The standard class for rendering (displaying) individual cells in a JTable. |
| static class | [**DefaultTableCellRenderer.UIResource**](http://docs.google.com/javax/swing/table/DefaultTableCellRenderer.UIResource.html)            A subclass of DefaultTableCellRenderer that implements UIResource. |
| class | [**JTableHeader**](http://docs.google.com/javax/swing/table/JTableHeader.html)            This is the object which manages the header of the JTable. |

| Methods in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| [Component](http://docs.google.com/java/awt/Component.html) | **TableCellEditor.**[**getTableCellEditorComponent**](http://docs.google.com/javax/swing/table/TableCellEditor.html#getTableCellEditorComponent(javax.swing.JTable,%20java.lang.Object,%20boolean,%20int,%20int))([JTable](http://docs.google.com/javax/swing/JTable.html) table, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, int row, int column)            Sets an initial value for the editor. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultTableCellRenderer.**[**getTableCellRendererComponent**](http://docs.google.com/javax/swing/table/DefaultTableCellRenderer.html#getTableCellRendererComponent(javax.swing.JTable,%20java.lang.Object,%20boolean,%20boolean,%20int,%20int))([JTable](http://docs.google.com/javax/swing/JTable.html) table, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, boolean hasFocus, int row, int column)            Returns the default table cell renderer. |
| [Component](http://docs.google.com/java/awt/Component.html) | **TableCellRenderer.**[**getTableCellRendererComponent**](http://docs.google.com/javax/swing/table/TableCellRenderer.html#getTableCellRendererComponent(javax.swing.JTable,%20java.lang.Object,%20boolean,%20boolean,%20int,%20int))([JTable](http://docs.google.com/javax/swing/JTable.html) table, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, boolean hasFocus, int row, int column)            Returns the component used for drawing the cell. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
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| class | [**JTextComponent**](http://docs.google.com/javax/swing/text/JTextComponent.html)            JTextComponent is the base class for swing text components. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ComponentView.**[**createComponent**](http://docs.google.com/javax/swing/text/ComponentView.html#createComponent())()            Create the component that is associated with this view. |
| [Component](http://docs.google.com/java/awt/Component.html) | **ComponentView.**[**getComponent**](http://docs.google.com/javax/swing/text/ComponentView.html#getComponent())()            Fetch the component associated with the view. |
| static [Component](http://docs.google.com/java/awt/Component.html) | **StyleConstants.**[**getComponent**](http://docs.google.com/javax/swing/text/StyleConstants.html#getComponent(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a)            Gets the component setting from the attribute list. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [Component](http://docs.google.com/java/awt/Component.html) | |
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| protected  void | **PlainView.**[**damageLineRange**](http://docs.google.com/javax/swing/text/PlainView.html#damageLineRange(int,%20int,%20java.awt.Shape,%20java.awt.Component))(int line0, int line1, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Component](http://docs.google.com/java/awt/Component.html) host)            Repaint the given line range. |
| static void | **StyleConstants.**[**setComponent**](http://docs.google.com/javax/swing/text/StyleConstants.html#setComponent(javax.swing.text.MutableAttributeSet,%20java.awt.Component))([MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) a, [Component](http://docs.google.com/java/awt/Component.html) c)            Sets the component attribute. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
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| Methods in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
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| protected  [Component](http://docs.google.com/java/awt/Component.html) | **ObjectView.**[**createComponent**](http://docs.google.com/javax/swing/text/html/ObjectView.html#createComponent())()            Create the component. |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **FormView.**[**createComponent**](http://docs.google.com/javax/swing/text/html/FormView.html#createComponent())()            Create the component. |

| Uses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
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| Subclasses of [Component](http://docs.google.com/java/awt/Component.html) in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
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| class | [**DefaultTreeCellEditor.DefaultTextField**](http://docs.google.com/javax/swing/tree/DefaultTreeCellEditor.DefaultTextField.html)            TextField used when no editor is supplied. |
| class | [**DefaultTreeCellEditor.EditorContainer**](http://docs.google.com/javax/swing/tree/DefaultTreeCellEditor.EditorContainer.html)            Container responsible for placing the editingComponent. |
| class | [**DefaultTreeCellRenderer**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html)            Displays an entry in a tree. |

| Fields in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) declared as [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| protected  [Component](http://docs.google.com/java/awt/Component.html) | **DefaultTreeCellEditor.**[**editingComponent**](http://docs.google.com/javax/swing/tree/DefaultTreeCellEditor.html#editingComponent)            Component used in editing, obtained from the editingContainer. |

| Methods in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) that return [Component](http://docs.google.com/java/awt/Component.html) | |
| --- | --- |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultTreeCellEditor.**[**getTreeCellEditorComponent**](http://docs.google.com/javax/swing/tree/DefaultTreeCellEditor.html#getTreeCellEditorComponent(javax.swing.JTree,%20java.lang.Object,%20boolean,%20boolean,%20boolean,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, boolean expanded, boolean leaf, int row)            Configures the editor. |
| [Component](http://docs.google.com/java/awt/Component.html) | **TreeCellEditor.**[**getTreeCellEditorComponent**](http://docs.google.com/javax/swing/tree/TreeCellEditor.html#getTreeCellEditorComponent(javax.swing.JTree,%20java.lang.Object,%20boolean,%20boolean,%20boolean,%20int))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [Object](http://docs.google.com/java/lang/Object.html) value, boolean isSelected, boolean expanded, boolean leaf, int row)            Sets an initial *value* for the editor. |
| [Component](http://docs.google.com/java/awt/Component.html) | **DefaultTreeCellRenderer.**[**getTreeCellRendererComponent**](http://docs.google.com/javax/swing/tree/DefaultTreeCellRenderer.html#getTreeCellRendererComponent(javax.swing.JTree,%20java.lang.Object,%20boolean,%20boolean,%20boolean,%20int,%20boolean))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [Object](http://docs.google.com/java/lang/Object.html) value, boolean sel, boolean expanded, boolean leaf, int row, boolean hasFocus)            Configures the renderer based on the passed in components. |
| [Component](http://docs.google.com/java/awt/Component.html) | **TreeCellRenderer.**[**getTreeCellRendererComponent**](http://docs.google.com/javax/swing/tree/TreeCellRenderer.html#getTreeCellRendererComponent(javax.swing.JTree,%20java.lang.Object,%20boolean,%20boolean,%20boolean,%20int,%20boolean))([JTree](http://docs.google.com/javax/swing/JTree.html) tree, [Object](http://docs.google.com/java/lang/Object.html) value, boolean selected, boolean expanded, boolean leaf, int row, boolean hasFocus)            Sets the value of the current tree cell to value. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/Component.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt//class-useComponent.html)    [**NO FRAMES**](http://docs.google.com/Component.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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